

Contrary to *Newsday*: Low Security Risk, Little Classified Work at BNL

A *Newsday* story published on May 18 entitled "Tightened Security: Brookhaven Takes Measures to Ensure Lock on Secrets" exaggerated the role of classified work at BNL.

"Everyone should be aware that Brookhaven is not a weapons laboratory, and that we do very little work that is considered classified," states Laboratory Director John Marburger. "Brookhaven does not design, build, or test weapons of any kind."

The major focus of the Lab's classified work is to prevent the theft and diversion of weapons material. In addition, BNL researchers also participate in nonproliferation programs,

designed to halt the production and spread of nuclear weapons, and work on techniques to verify that weapons have been dismantled.

The *Newsday* article refers to a "security crackdown" at the Laboratory in response to directives issued by Energy Secretary Bill Richardson.

It is true that the Lab now requires foreign visitors to provide information before their arrival on site that would permit "indices checks" to be performed.

However, as the Lab Director explains, this procedure is essentially a return to how the Lab had interacted with foreign visitors earlier in this

decade before DOE granted Brookhaven a waiver from the rule requiring checks.

Other security systems and procedures have been reviewed and found to be appropriate to the low level of security risk at Brookhaven. "This is hardly a crackdown," says Marburger, speaking of the situation at Brookhaven.

"Serious security issues at DOE weapons labs have been widely publicized, and I expect congressional and media interest to continue for some time. In accepting responsibility for Lab security, Secretary Richardson has nevertheless vigorously resisted proposals by Congress

to limit foreign presence at all DOE laboratories."

Concludes the Laboratory Director, "I cannot stress enough that collaborations with other countries—'sensitive' or not—are essential to Brookhaven's scientific vitality. Secretary Richardson has stated very strongly that he does not want us to change the open character of our Lab, and I believe we can satisfy the needs of national security without creating an atmosphere hostile to foreign visitors. We will continue to welcome the world's scientists to BNL, no matter what their national origin." — Pete Genzer

346th Brookhaven Lecture Macro-Molecular Machines at Work

A single cell, the basic unit of biology, acts separately or in unison with other cells to sustain life. However, as biologists are discovering in ever more detail, many of the reactions that take place within a human cell are extremely specific and have a distinctly machine-like character.

To discuss his research in the cellular machinery that is active in protein folding, Biophysicist John Flanagan of the Biology Department will give the 346th Brookhaven Lecture, on Thursday, May 27, in Berkner Hall. Flanagan's talk, entitled "Macro-Molecular Machines at Work in the Intracellular Assembly Line," will begin at 4 p.m., when he will be introduced by Biology Chair William Studier.

In his talk, Flanagan will describe his work on what he calls molecular garbage-disposal units, which act like tiny two-stroke engines in recycling misfolded proteins.

As he will explain, proteins involved in cellular recycling—that is, breaking down large complex proteins into their amino-acid units—work much

like a garbage-disposal unit, sucking proteins in through a filter and shredding them into their component pieces.

Subsequently, the shredded pieces are ejected into the cell ready to be recycled into new proteins. But is this done actively by the protein that is degrading them, or do the pieces themselves diffuse out of the protein? The answer to this question is currently being debated.

Flanagan will also detail the role of "chaperones," which escort the misfolded proteins for recycling. Another topic that he will explain will be the way that he and his team illuminated the mechanism of certain proteases, enzymes which act as general housekeepers, getting rid of damaged proteins and also controlling the timing of complex biological processes.

After earning his Ph.D. in biochemistry from the University of Tennessee in 1986, Flanagan worked on various issues in protein folding in the Department of Molecular Biophysics & Biochemistry at Yale University. While there, he held a guest appoint-

NSLS Users' Meeting Begins Monday

The National Synchrotron Light Source (NSLS) 1999 Annual Users' Meeting and Workshops will be held next week, Monday to Wednesday, May 24-26. All are welcome, without registration, to the keynote and scientific highlight addresses at the meeting in Berkner Hall. Registration is required to attend the remainder of the events.

On Monday, May 24, three workshops will run simultaneously from 8:30 a.m. to 5:30 p.m., covering techniques and opportunities, advances in detectors, and complex materials. That evening, from 5:30 to 8 p.m., a welcoming reception will be held in Berkner Hall.

On Tuesday, May 25, the users' meeting gets underway at 8:30 a.m. in Berkner. At 1:50 p.m., John Norvell, Assistant Director of the National Institute of General Medical Sciences, National Institutes of Health (NIH), will give the meeting's keynote address, "NIH Involvement in Synchrotron Science and Structural Genomics." Then, at 3:55 p.m., Kwang-Je Kim, Associate Division Director of Research, Advanced Photon Source, Argonne National Laboratory, will give a scientific highlight address: "Towards Coherent 1-Angstrom Radiation via High-Gain Free Electron Lasers."

On Wednesday, May 26, three more workshops will be given, again from 8:30 a.m. to 5 p.m., with the topics: formation and uses of millibeam, insertion devices, and infrared spectroscopy.

To register, download the registration form which is provided with the meeting's full agenda on the World Wide Web at www.nsls.bnl.gov/Intro/usrmtg/meet99.htm. Fax the completed form to Ext. 7206. For more information, contact Linda Feierabend, feierabe@bnl.gov or Ext. 5763.

ment within BNL's Biology Department, 1987-93. He then joined Biology as an assistant scientist in April 1993, and, in September 1997, he was named Biophysicist.

Coffee and cookies will be served in the lobby before the lecture, and re-

freshments will be offered afterwards. Those who wish to join the lecturer for dinner at a restaurant off site may call Donna Zadow, Ext. 3415, by noon on Thursday, May 27. — Liz Seubert
Note: This lecture is being given on a nonstandard day.

BNL Water-Saving Initiative Wins DOE Energy Award

Once again, the Lab's Plant Engineering (PE) Division has proved that efficiency and savings go hand in hand: Last year, PE's water-conservation team saved the Lab over \$150,000 by reducing the on-site use of about 215 million gallons of drinking water through some "common sense" initiatives.

In recognition of their efforts, PE's William Chaloupka (standing center in picture left), and Lowell (Tony) Ross (seated) and Bob Lee (right) from BNL's Environmental Services (ES) Division won the DOE's 1998 In-House Federal Energy & Water Management Award.

In a note to the award-winners, Energy Secretary Bill Richardson described the team's efforts as exemplary: "Your support of the comprehensive Energy Management Program has contributed greatly to the energy and dollar savings achieved by the Department."

BNL's water-conservation team's efforts resulted from DOE funding of an In-House Energy Management Program study, which allowed the team to identify areas where water use was unnecessarily high. Once the areas were known, the team saved water by repairing leaking valves, reducing the practice of using drinking water for cooling, and curtailing unnecessary water use. Consequently, they also conserved energy that would have gone into pumping the water.

As a result of these conservation measures, which began in 1997, the team not only saved \$135,000 in water-consumption costs, but also \$15,000 in energy costs associated with pumping that water, explained BNL's Energy Manager Mark Toscano of Plant Engineering (far left).

Riding on their wave of success from last year, the team hopes to reduce water consumption by as much as 300 million gallons this year.



Roger Strout/Burgh

Hospitality Committee

The Hospitality Committee invites all on-site residents, their spouses and friends to join it during the following events. More details are posted in the laundry and on the door of the Recreation Building. For more information, call Susan Hart, 821-4257.

Family Night Tonight!

Tonight, May 21, on-site residents are invited to bring the family, friends and a dish (not necessarily a dessert) to share to the Recreation Building for an evening of fun and games from 6:30 to 8:30 p.m. Soft drinks will be provided.

Welcome Coffee

Coffee is served to newcomers and existing residents of the apartment area every Tuesday, from 10 a.m. to 11:30 a.m. in the lounge of the Recreation Building.

At the coffee next Tuesday, May 25, Lyme disease, which is endemic on Long Island, will be discussed.

Parent-Toddler Group

Parents of two- and three-year-olds are invited to bring the children to the Recreation Building every Wednesday, 9:30-11:30 a.m. For more information, call Sarah Zill, 821-2602.

Soy Workshop Filled; Recipes Available

There is no more room for additional participants in the Healthline cooking workshop "Sensational Soy," which is scheduled at noon on Thursday, May 27, in the large conference room in the Medical Department, Bldg. 490. Regardless, those interested in the topic but who are unable to attend may pick up the packet of recipes that will be demonstrated during the workshop. For the recipes, contact Health Promotion Specialist Mary Wood, Ext. 5923, Bldg. 490.

Pre-Memorial Day Ceremony Marks Opening of Camp Upton Museum

On Thursday, May 27, employees, facility users and other visitors are invited to the grand opening of the new home of the Camp Upton Historical Collection, which is maintained by the Museum Programs of the Community Relations Office.

The ceremony will begin with a ribbon cutting and Memorial Day salute to local veterans at 11 a.m. Until 1 p.m., the festivities will continue with refreshments and tours of the collection's new headquarters.

The museum encompasses the history of Camp Upton, a U.S. Army training camp during World War I and induction center during World War II, the former site of which became BNL in 1947. Housed in the former Camp Upton chapel, now known as Bldg. 184 or the Research Library Annex, the historical collection contains many World War items donated by veterans who had passed through Camp Upton, and many artifacts of the camp found on site.

The Camp Upton Historical Collection will be open to group and school tours by appointment throughout the year, and to the general public during the Museum Programs' annual Summer Sundays program of site tours and science-related activities for the general public in July and August. Books stored in the library annex portion of the building are still accessible through a side door.

BERA Golf Tournament Amateur Radio

The BERA Golf Association will be holding its next tournament on Tuesday, June 15, at the links-style Mill Pond Golf Course in Medford. The tournament will be a shotgun event starting at 8 a.m. All BNL employees, retirees and their guests are welcome.

For more information, visit the BGA Website at http://www.esh.bnl.gov/bera_golf/ or call Jeff Williams, Ext. 5587.

The BERA Amateur Radio Club will next meet at noon on Thursday, May 27, in Room D, Berkner Hall, to discuss its upcoming field day. All BERA members, guests and licensed amateur-radio operators are invited to attend. For more information, call Chris Neuberger, Ext. 4160, or Ron Dober, Ext. 4175.

IBEW Meeting

Local 2230, IBEW, will hold its regular monthly meeting this Monday, May 24, at 6 p.m. in the Knights of Columbus Hall, Railroad Avenue, Patchogue. There will be a meeting for shift workers at 3 p.m. at the union office. The agenda includes regular business, committee reports and the president's report.

Computer Training

The Information Technology Division has scheduled an introduction to UNIX and Perl programming classes for half days, August 30-September 3. To register, send an ILR for \$450, the training fee for each class, to Pam Mansfield, Bldg. 515, by August 1. For more information, e-mail pam@bnl.gov.

Affirmative Action Talk

On Thursday, May 27, at noon, Lorraine Merdon, who is the Assistant Director of the Human Resources Division and Manager of the Diversity Office, will speak on "BNL's Affirmative Action Plan," in Room C, Berkner Hall. The talk is sponsored by Brookhaven Women in Science, and all are invited to attend. For more information, call Diane Greenberg, Ext. 2347.

Skin Cancer Screening

A board-certified dermatologist will screen employees for skin cancer on Thursday, June 10, from 9 a.m. to noon in the Occupational Medicine Clinic.

To obtain one of the 40 available appointments, send a note with your name, building number and extension to Health Promotion Specialist Mary Wood, Bldg. 490. For more information, call Wood, Ext. 5923.

Bowling

Purple and White League - 5/13

T. Blydenburgh 184/183/178, G. Mehl 206/196/180, M. Guacci 214/192, M. DiMaiuta 195/182, J. Zebuda 180/180, D. Keating 232, E. Sperry IV 223, Don King 221, P. Wynkoop 219, K. Washington 197, S. Rothe 185, K. Batchelor 182, L. Simes 170.

And the Winners Are . . .

The first-place winners of both halves are Joe Z and the Alley Kats. Rolling off for second place will be Murphy's Law and The Terminators. **Bowling Awards Party**

All BNL bowlers, their family and friends are invited to the annual BERA Bowling League awards party, which, this year, will be held at Ladakins on Friday, June 11, 6-10 p.m.

For tickets purchased by June 4, the cost is \$12 for each bowler and \$17 for each guest, which covers dinner, music by a DJ, and an open bar. Tickets purchased after June 4 cost \$40 per person, and no exceptions will be made.

To purchase tickets, bring or mail checks payable to BERA Bowling (not cash) to: Tracy Blydenburgh, Ext. 4422, Bldg. 750.

Volleyball Party

The end-of-the-season Volleyball League party will take place on Saturday, May 15. There will be open play in the gym from 10 a.m. to 1 p.m., outdoor play at the gazebo 2-6 p.m., a hot and cold buffet and soda. No alcohol will be served.

Tickets at \$5 a person are on sale from Denise Meisell-Bingham, Bldg. 97, Ext. 5873. Children under 12 years of age may enter free.

Arrivals & Departures

Arrivals

Drew B. Bennett Envir. Restor.
Yaohui Fan NSLS
Louis A. Pena Medical

Departures

Ann W. Reisman Advanced Tech.

In Memoriam

George Malcolm, Financial Services Division

George Malcolm, the Configuration Management Supervisor in the Financial Services Division (FSD) died suddenly on May 6. He was 56.

Malcolm joined the Lab just 30 years ago, on May 5, 1969, when he became a programming analyst in what was then called the Systems & Procedures Division, which is now FSD.

Said Edward Gallagher, Malcolm's most recent supervisor, "George Malcolm was a dedicated professional who helped pioneer the early efforts to computerize BNL's administrative systems. He took great pride in his work, and his efforts resulted in systems that truly serves the user-community's needs.

"George helped train and guide many of our staff members over the last 30 years," continued Gallagher, "and he always did this with great enthusiasm. He accomplished much in the areas of computer security, database management and systems development. He served as a role model for many of us, and he is missed by those of us who had the good fortune of knowing him."

An earlier supervisor, Nick Franco, Relativistic Heavy Ion Project, commented, "George was a meticulous, methodical and conscientious worker for the entire 30 years he worked at BNL. His deep religious convictions carried over into his work ethics and dedication to his job.

"On coming into the technical systems group of MIS as our data base administrator, he performed his work

George Malcolm

flawlessly," Franco recalled. "During this time, he also learned the other aspects of the group's work, and it was only fitting to recommend him as the group supervisor when I moved on to another position."

Franco also remembered Malcolm's keen participation in the Lab Softball League, as well as with the BNL Cycletrons Motorcycle Club.



"George is sorely missed by his co-workers, his church family, his community, and his loved ones," Franco concluded.

George Malcolm was a resident of Bellport. He is survived by his wife Mary Anne; children Scott, Neil, Nick, Bonnie, Robin, Gina, Michael, and Jenelle; and granddaughter Raya.

— Liz Seubert

BROOKHAVEN BULLETIN

Published weekly by the
Media & Communications Office
for the employees of
BROOKHAVEN NATIONAL LABORATORY

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Upton, NY 11973-5000
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World Wide Web:
<http://www.pubsf.bnl.gov/bulletin.html>

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containing at least 50 percent recycled
material, with 10 percent post-consumer
waste. It can be recycled.

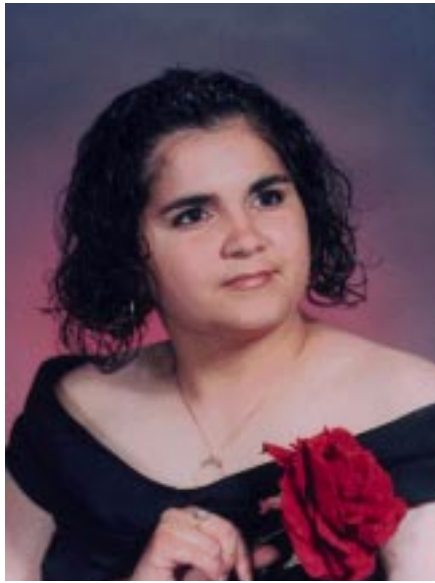
BSA Awards 15 Scholarships to BNL's Sons & Daughters

BSA has announced the 15 winners of the second annual BSA Directors' Scholarships, for children of BNL employees, continuing a tradition instituted at the

Lab 33 years ago. BSA Scholars are a high school seniors who will receive \$2,500 per year for up to four years of study at the college or university of their choice.



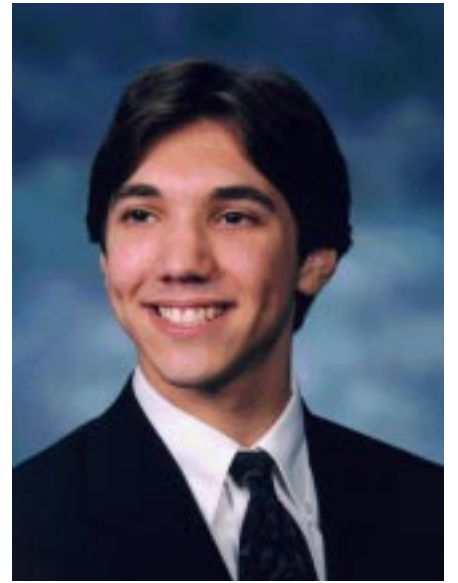
Kristin Andrews, daughter of John Andrews, Department of Applied Science (DAS), is a senior at Mercy High School, Riverhead, and lives in Sag Harbor. At Dartmouth College, she will major in biology or psychology.



Lisa Blas is the daughter of Gladys Blas, Relativistic Heavy Ion Collider (RHIC) Project, and resides in Holbrook. A senior at Sagem High School, she will attend Centenary College to major in equine studies and veterinary science.



Tara Castillo, daughter of Vincent Castillo, Alternating Gradient Synchrotron Department, lives in Mastic and attends William Floyd High School. She intends to major in international studies at American University.



Benjamin Kalb, the son of Paul Kalb, Department of Advanced Technology (DAT), lives in Wading River and goes to Shoreham-Wading River High School. He will major in cello performance at the Purchase College Conservatory of Music.



Adam Kaplan is the son of Edward Kaplan, DAT, and a resident of Stony Brook. After being graduated from Ward Melville High School, he will pursue his interest in business, law or science at Dartmouth College.



Helen Lee is the daughter of Hai-Dee Lee, Occupational Medicine Clinic, and John Lee, DAS. A senior at Ward Melville High School, she lives in East Setauket. She will matriculate at Cornell University, to major in biology.



Jonathan Lissauer, son of David Lissauer, Physics Department, resides in Shoreham and attends Shoreham-Wading River High School. He will study biophysics and neuroscience at The Johns Hopkins University.



Dasha Lyman, the daughter of Sergei Lyman, Chemistry Department, is a senior at Longwood High School and lives in Ridge. She will study economics, biology, or cognitive science at the Massachusetts Institute of Technology.



Eric Nintzel is the son of Gary Nintzel, National Synchrotron Light Source Department, and a resident of Sayville. After Sayville High School, he will study finance and information systems at the University of Virginia.



Adam Ostaszewski, son of Z. John Ostaszewski, RHIC, lives in Hillcrest and goes to Stuyvesant High School. He will major in economics at the State University of New York at Binghamton, Baruch College, or Georgetown University.



Christine Sandorfi, daughter of Andrew Sandorfi, Physics, attends St. Anthony's High School and resides in Port Jefferson. She will study ballet performance at the University of Cincinnati College Conservatory of Music.

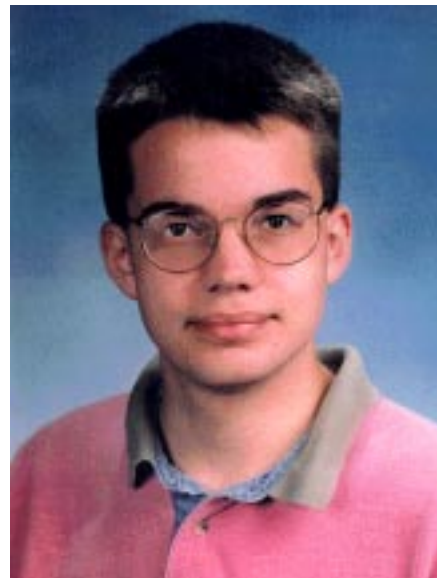


Randy Stein, the son of Steven Stein, Quality Management Office, is a senior at Sayville High School and resides in Sayville. He plans to study computer science at the State University of New York at Stony Brook.

Matthew Veligdan (right) is the son of James Veligdan, DAT, lives in Manorville and will be graduated from Westhampton Beach High School. With the goal of writing music for TV and films, he will major in music composition at New York University.

Jonathan Wanderer (center), son of Peter Wanderer, RHIC, lives in Shoreham and is in his last year at the Shoreham-Wading River High School. He will attend the University of Pennsylvania to study computer science and cognitive science.

Rani Yadav (far right), daughter of Rajeshwar Yadav, Plant Engineering Division, resides in West Windsor, New Jersey, and goes to the West Windsor-Plainsboro High School. She will pursue premedical and biochemical studies at Rice University.



No Bulletin June 4

In observance of Memorial Day, the Lab will be closed on Monday, May 31, and there will be no Bulletin on Friday, June 4.

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 complete list of all job openings; use a TDD system to access job information by calling (516) 344-6018; or access current job openings on the World Wide Web at <http://www.bnl.gov/JOBS/jobs.html>.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

NS7719. ELECTRICAL ENGINEERING POSITION - (reposting) Requires a BS/MS in electrical power engineering with a minimum of ten years of experience in power-system areas such as substation design, low-voltage distribution, protective relaying, and power controls. Excellent communication skills and leadership abilities are necessary; knowledge of high-power equipment design in rectifier/converters, power-factor correction and/or dynamic reactive power compensation is a plus. Will be responsible for power systems for the RHIC/AGS complex and providing design input to the Spallation Neutron Source Project. Alternating Gradient Synchrotron Department.

DD8406. MASON - Performs wide variety of cement and concrete work, lays brick and blocks, and does grouting and finishing, as required. Plant Engineering Division.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

MK8284. ASSOCIATE LABORATORY DIRECTOR, APPLIED SCIENCE & TECHNOLOGY - Reporting to the Laboratory Director, will manage and develop a diverse program in environmental sciences, energy sciences, and national security, as well as applied chemistry and materials science. Will also be responsible for the management and development of technology transfer, and for outreach to the business community. Will define the goals and develop the strategic plan for the Directorate in accordance with the mission of DOE and other agencies, and will recruit, maintain and develop an outstanding scientific staff. Requires a Ph.D. in science or engineering, a strong research background in one of the main areas of the Directorate, demonstrated experience and success in managing and developing a medium-size research program in a federally funded environment or in industry, and excellent communications and leadership skills. Also requires U.S. citizenship and the ability to obtain and maintain a DOE Q clearance. Director's Office.

MK2208. POSTDOCTORAL RESEARCH ASSOCIATE - To work in the Neutron Scattering Group, utilizing the unique capabilities of neutron scattering to study forefront problems in condensed-matter physics, such as high-temperature superconductivity, correlated-electron phenomena, and low-dimensional magnetism. Will be expected to develop an independent research program. The Group currently performs experiments using reactor facilities at NIST, ORNL and elsewhere, and has beam lines for x-ray scattering studies available at the National Synchrotron Light Source. Requires a Ph.D. in physics or related field. Under the direction of J. Tranquada, Physics Department.

NS8449. PROCEDURES COORDINATOR/TRAINER POSITION - Requires a bachelor's degree in an appropriate field, or the equivalent experience, and at least five years of field experience. Experience in radiological protection procedure writing and training is preferred, as are NRRPT registration and certified radiological trainer credentials. Will be responsible for development of new facilities support section procedures, modifying existing procedures, chairing the procedure-review committee, and developing qualification training for each procedure. Radiological Control Division.

NS7240. PUBLIC AFFAIRS REPRESENTATIVE POSITION - Requires a bachelor's degree in journalism, English, or a related field; excellent communication skills, including writing, interviewing and reporting; and the ability to communicate complex issues to a general audience and to develop multiple projects simultaneously. Computer literacy is a must; experience with desktop publishing and Web-page design is highly desirable. Responsibilities will include assisting with the expansion of the Lab's national reputation, identifying and writing stories on science and technology for the mass media, and developing contacts with regional and national reporters and editors to promote science news. Media and Communications Office, Community Involvement, Government & Public Affairs Division.

NS7848. ELECTRONIC ENGINEERING POSITION - Requires an MSEE degree or higher with experience in beam-instrumentation equipment, to work in the diagnostic section of the National Synchrotron Light Source. Experience in beam position-monitor systems utilizing feedback techniques to control the electron-beam orbit is preferred. Knowledge of digital techniques and processing wide dynamic range, low signal-to-noise ratio signals is very desirable. National Synchrotron Light Source Department.

NS7648. COMPUTER ANALYST POSITION - (reposting) Requires a master's degree in computer science, or a related field, and at least five years of experience in computing support in a research environment. Knowledge and experience with UNIX system support (AIX, Solaris, Linux) and administration, including networked file systems (NFS, AFS, DFS) and other

tools and utilities, are required, as is experience programming at the systems' level and utilizing modern (object-oriented) programming techniques and languages (C++, Java, etc.). Knowledge and experience with object-oriented databases, object brokers, hierarchical storage managers (HPSS in particular), robotic tape systems, and Windows NT are desirable. Experience with recent versions of software developed and used by the high-energy and nuclear physics communities is highly desirable. U.S. Atlas Project, Physics Department.

DD8432. DESIGN POSITION - Requires a bachelor's degree in an engineering discipline or equivalent experience in the design of precision mechanical, optical or electrical components. Must be proficient in CAD, preferably Mechanical Desktop. Experience in machine-shop practice, design of ultrahigh vacuum components or magnet design is highly desirable. National Synchrotron Light Source Department.

NS8148. SR. P&GA SPECIALIST/GRAPHIC ARTIST - Under minimum direction and with considerable latitude for the exercise of initiative, creativity and judgment, plans, coordinates and provides specialized graphic design, typography and prepress services. Requires a bachelor's degree in a related field, or equivalent experience, and five or more years of experience in a graphic arts design studio. Required advanced skills in the use of Adobe PageMaker, Illustrator, PhotoShop, Framemaker, and Graphic Studio on an Apple Macintosh platform. Familiarity with multimedia creation using Macromedia Director and Web-page development using tools such as Dreamweaver Fireworks or CyberStudio GoLive is highly desirable; familiarity with Microsoft Office applications is also desired. Information Services Division.