

## U.S. Rep. John Sweeney Visits BNL for NSLS, Home Security Overview



Roger Stoulenburgh 00720203

On the experimental floor of BNL's National Synchrotron Light Source (NSLS), U.S. Representative John Sweeney (center) and BNL Interim Director Peter Paul talk with NSLS scientist Lisa Miller about research on Alzheimer's disease being done at beam line U10B.

U.S. Representative John Sweeney (R-20th District), visited BNL on February 24 with his aide Gaia Mishanta Ford. Sweeney serves on the House Appropriations Committee and on February 12 was named to the Select Committee on Homeland Security, which helps develop policy for the larger Homeland Security Committee.

Welcomed by BNL Interim Director Peter Paul, Sweeney met with Michael Holland, Manager of DOE's Brookhaven Area Office, and Marge Lynch, Assistant Laboratory Director for Community, Education, Government & Public Affairs. The Congressman then visited the National Synchrotron Light Source (NSLS), one of the world's most widely used scientific facilities. Researchers at the NSLS use sophisticated techniques to study the electronic and structural properties of materials and surfaces at the atomic level.

At the NSLS, Doon Gibbs, Interim Associate Laboratory Director for Basic Energy Sciences, and NSLS Chair Steven Dierker explained a proposed NSLS upgrade that will dramatically improve the capabilities available to the approximately 2,500 researchers from scientific institutions and industry who use the NSLS for their research each year. They also discussed plans for the new BNL Center for Functional Nanomaterials.

Later, on the NSLS experimental floor, Sweeney visited beam line U10B, where researchers use x-ray and infrared light to study such diseases as Alzheimer's, osteoarthritis, and osteoporosis.

He next stopped at Berkner Hall, where Ralph James,

Associate Laboratory Director for Energy, Environment & National Security, explained some of the Lab's work in the field of homeland security.

James focused on BNL capabilities in the areas of advanced sensor technology, particularly the Lab's research and development on nuclear, chemical, biological, and explosive detectors. Sweeney was also interested in seeing actual prototypes of BNL hardware that could detect more minute quantities of nuclear radiation from greater distances and without the false alarms attributed to many current approaches.

James described some of BNL's research suited to reducing the vulnerabilities of New York State, including better control of radioactive materials, advanced technologies to monitor cargo containers at national seaports, and sensor networks to help protect New York and its mass transportation systems.

BNL scientists' work to identify and prioritize risks, such as those connected with U.S. public water, bridges, banking and finance, electric power, gas, and oil and telecommunications infrastructures, was also presented.

The Congressman conversed with Associate Director for Life Sciences Nora Volkow before concluding his visit.

"The enthusiastic interest shown by Congressman Sweeney in the broad science of BNL, as well as his immediate understanding of the Lab's crucial role in the safety and security of New York City, was impressive and refreshing," said BNL Interim Director Peter Paul. — Liz Seubert

## Two Computers Promise Super-High Performance QCDOC, BlueGene/L developments explored at 2/28 workshop at BNL

Two new supercomputers-in-the-making, QCDOC and BlueGene/L, were the hot topics of a day-long workshop organized by staff of BNL, Columbia University, IBM, and the RIKEN-BNL Research Center and held at BNL on February 28. BNL and Columbia's QCDOC, designed for research in quantum chromodynamics (QCD), and IBM's BlueGene/L, which is planned for installation at Lawrence Livermore National Laboratory, and is designed for applications in the life sciences, are expected to be in use by June, 2004.

About 100 participants, including past, present, and future BNL Directors, attended the workshop, which had as its goals to explore new applications for the two new machines, to identify fruitful areas for collaboration among the sponsoring institutions, and to expose other scientists to the emerging software architecture. A welcome and introductory remarks were provided by BNL's Arnie Peskin; Tom Kirk, also of BNL; Bill Pulleyblank of IBM; and T.D. Lee, RBRC.

The workshop was divided into three sessions. The first

session, chaired by Robert Mawhinney, Columbia, addressed the hardware and software developments for the QCDOC and BlueGene/L systems, including user extensions such as MPI for QCDOC. The machines are similar in parts of their interconnect network, their underlying chip technology, and the topical nature of their target applications. They differ primarily in that BlueGene/L is designed to have a wider range of applications, while QCDOC is expected to be ready first. Hence, the develop (continued on page 2)



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Organizing committee members of the QCDOC and BlueGene/L Workshop are: (from left) Ed McFadden, BNL; Arnie Peskin, BNL; Jim Davenport, BNL; Jim Glimm, BNL and Stony Brook University (SBU); Al Gara, IBM; Bill Pulleyblank, IBM; and Yuefan Deng, BNL and SBU. Not in picture, Norman Christ and Bob Mawhinney, both of Columbia University.

### 381st Brookhaven Lecture, 3/19

## Bacterial Biosensors: Tools to Manage Soils, Sludge Contaminated With Heavy Metals

Identifying the types of contaminants and the degree of heavy metal contamination in soil or sludge using traditional analytical methods can often be a time-consuming, costly task, which does not always reflect the real danger of the contamination.

What if there were a more efficient way? Could bacteria be trained to light up when exposed to a particular heavy metal contaminant? If so, then an army of these bacteria could be sent into soil or sludge and the degree to which the bacteria lit up would indicate just how much heavy metal was present.

Or — perhaps sounding even more far-fetched — what if, after lighting up to identify the presence of the heavy metal, the bacteria were to process the contaminant in some fashion that would render it environmentally and biologically benign?

The idea sounds as if it were taken directly from science fiction; however, BNL scientists and their colleagues at Vito, a technical research institute in Belgium, are refining this very technique, and have used the strategy to detoxify soil and sludge from several locations around the world without having to remove the heavy metals.



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Daniel van der Lelie, Biology Department

To learn more about this work, join Daniel van der Lelie, a microbiologist in BNL's Biology Department, as he presents the 381st Brookhaven Lecture, "Bacterial Biosensors: Tools to Manage Soil and Sludge Contaminated With Heavy Metals," next Wednesday, March 19, at 4 p.m. in Berkner Hall. Van der Lelie will be introduced by Biology Department Chair Carl Anderson.

Van der Lelie, who earned his Ph.D. in Mathematics and Sciences from the University of Groningen in The Netherlands in 1989, joined BNL in 2001

and works on the development of new genomic tools to study the functioning of microorganisms. A former member of the editorial board of the *Journal of Industrial Microbiology & Biotechnology* and presently a member of the editorial board of the journal *Biodegradation*, he holds six patents and has over 65 international reviewed publications.

Refreshments will be offered before and after the lecture. To dine with the speaker at a restaurant after the lecture, call Ext. 3415. — John Galvin

## Calendar of Laboratory Events

- The BERA Sales Office is located in Berkner Hall and is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347; or Chris Carter, Ext. 2873.
- Additional information for Hospitality Committee events can be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building (Rec. 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 —

#### Weekdays: Free English for Speakers of Other Languages Classes

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

#### Mondays: BNL Gospel Choir

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

#### Mon., Tues., & Thurs.: Kickboxing

\$5 per class. Mon. & Thurs. noon-1 p.m. in the gym; Tues., 5:15-6:15 p.m. in the gym; Thurs., 5:15-6:15 p.m. in Brookhaven Ctr. Registration is required. Mary Wood, Ext. 5923, or [wood2@bnl.gov](mailto:wood2@bnl.gov).

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

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

#### Mondays: BNL Dance Club Ballroom, Latin & Swing Practice

5:30-7 p.m. North Ballroom, Brookhaven Center, except Lab holidays. Jean Logan, [jlogan@bnl.gov](mailto:jlogan@bnl.gov) or Ext. 4391.

#### Tuesdays: Welcome Coffee

10-11:30 a.m. Rec. Bldg. Hospitality event. Come and meet friends. The first Tuesday of every month is special for Lab newcomers and leaving guests. Hospitality Chair Monique de la Beij, 399-7656.

#### Tuesdays: BNL Music Club

Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846.

#### Tuesdays: Singles Club

12:30-1:30 p.m., Berkner Hall. Contact: Jean, Ext. 4391, Patrick, Ext. 3270.

#### Tuesdays: BNL Dance Club Individual & Couples instruction

5-11 p.m. North Ballroom, Brookhaven Center. Ron Ondrovic, [ondrovic@bnl.gov](mailto:ondrovic@bnl.gov) or Ext. 4553.

#### Tuesdays: Toastmasters

1st and 3rd Tuesday of each month, 5:30 p.m., Bldg. 463, room 160. Guests, visitors always welcome. [www.bnl.gov/bera/activities/toastmasters/default.htm](http://www.bnl.gov/bera/activities/toastmasters/default.htm).

#### Tuesdays & Thursdays: Aerobics

5:15-6:30 p.m., \$4 per class. Rec. Bldg. Pat Flood, Ext. 7886.

#### Tuesdays & Thursdays: Aqua Aerobics

5:15-6:15 p.m. Mary Wood, Ext. 5923.

#### Wednesdays: On-Site Play Group

10 a.m.-noon. Rec. Bldg. An infant/toddler drop-in event. Parents meet while children play. Svetlana Agafonova, 205-5065.

#### Wednesdays: Weight Watchers

Noon-1 p.m., Brookhaven Center South Room. Mary Wood, Ext. 5923, [wood2@bnl.gov](mailto:wood2@bnl.gov).

#### Wednesdays: Yoga Practice

Noon-1 p.m., Brookhaven Ctr. Free. Ila Campbell, Ext. 2206.

#### Wednesdays: Open Chess Night

5-8 p.m., Rec. Hall. Christine Carter, Ext. 5090.

#### Wednesdays: Exercise 101

5:15-6 p.m., Rec. Bldg. \$4 per class or \$35 for 10 classes. Stretching, low-impact aerobics, and other exercises. Pat Flood, Ext. 7886.

#### Wednesdays: Dance Club Group Lessons

5-9 p.m. North Ballroom, Brookhaven Center. Marsha Belford, [belford@bnl.gov](mailto:belford@bnl.gov) or Ext. 5053.

#### Thursdays: Science Discussion Group

12:30-1:30 p.m., Berkner Hall. Patrice Pages, Ext. 3270, [pages@bnl.gov](mailto:pages@bnl.gov).

#### Fridays: Family Swim Night

5-8 p.m. at the BNL Pool. \$5 per family.

#### Fridays: BNL Social & Cultural Club

8-11:30 p.m., Brookhaven Ctr., social. Rudy Alforque, Ext. 4733, [rudy@bnl.gov](mailto:rudy@bnl.gov).

#### Saturdays: BNL Dance Club Monthly Ballroom Dance Social

8-11:30 p.m. Ballroom, Latin & swing dancing. North Ballroom, Brookhaven Center. 3/15, 4/12. Marsha Belford, [belford@bnl.gov](mailto:belford@bnl.gov) or Ext. 5053.

### March Is Women's History Month

Don't miss the "Famous Women of Our Time" exhibit, which is on display this month in Berkner Hall. The Women's Program Advisory Committee will raffle off two copies of the book "The Quotable Woman" each week during the month. Free tickets are available at the display in Berkner Hall.

# FY2002: BNL Purchases \$31 Million-Plus In Goods, Services From L. I. Businesses

BNL purchased more than \$31 million worth of supplies and services from Long Island businesses in fiscal year (FY) 2002, a period from October 1, 2001, to September 30, 2002.

In addition to the Lab's buying goods and services from Long Island vendors, most of the approximately 2,900 BNL employees live in Suffolk County and do most of their shopping on Long Island. All told, employee salaries, wages and fringe benefits account for about 58 percent, or almost \$269 million, of the Lab's \$463 million budget.

In FY 2002, BNL made 4,260 purchases on Long Island. Out of those, 3,735 orders totaling \$25.5 million were placed in Suffolk County, and 525 amounting to \$5.6 million were made in Nassau County.

Mary-Faith Healey, Manager of the Procurement & Property Management Division, which handles BNL's purchasing, said, "We are glad that we can help to support local businesses. We hope Brookhaven Lab's contribution to the local economy will help to soften the impact of the current recession."

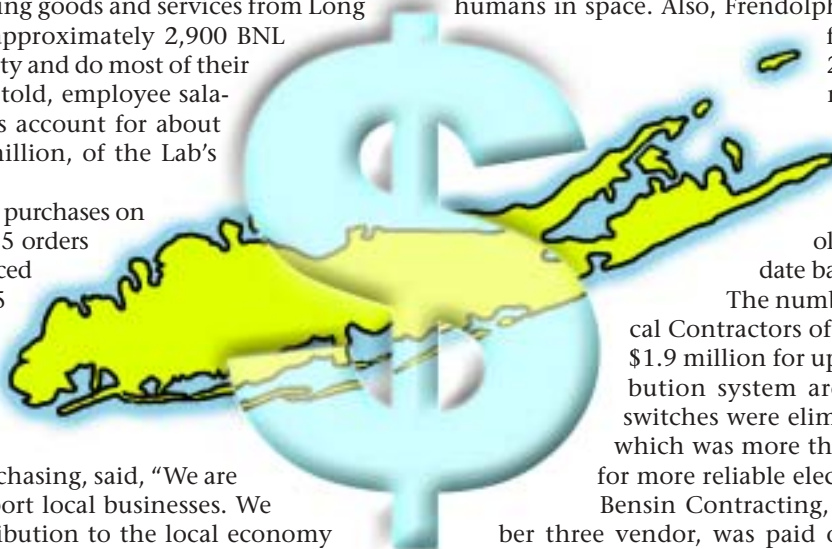
Construction of new buildings, repair of the Lab's aging infrastructure, and environmental cleanup accounted for a large part of FY 2002 local expenditures. For example, Frendolph Construction Corporation of West Babylon, the top vendor for the year,

was paid over \$4 million to work on a number of projects, including BNL's new NASA Space Radiation Laboratory, where scientists will perform research to determine the effects of radiation on humans in space. Also, Frendolph is building two new storage

facilities on site, each of about 20,000 square feet, and has renovated several older laboratories and offices. The average age of the Lab's 378 buildings on its 5,300-acre site is slightly over 40 years old, and more than 100 buildings date back to World War II or earlier.

The number two vendor, Hinck Electrical Contractors of Islip Terrace, received almost \$1.9 million for upgrades to the electrical distribution system around the site. Old oil-filled switches were eliminated, and cabling, some of which was more than 50 years old, was replaced for more reliable electrical power.

Bensin Contracting, Inc., of Holtsville, the number three vendor, was paid over \$1.3 million for several projects, including installing groundwater treatment systems. One such system is an ion-exchange filtration technology that will be used in a pilot program to clean up strontium-90. Also, a treatment plant at BNL's western south boundary has been installed to clean up volatile organic chemicals. — Diane Greenberg



## Service Awards

The following employees celebrated BNL service anniversaries during February 2003:

### 40 Years

Keith Jones ..... Env. Sci.

### 35 Years

Frank Kito ..... Biology

### 30 Years

William Casey ..... NSLS

Alfred Mack ..... C-A

### 25 Years

John Brodowski ..... C-A

George Ganetis ..... Magnet

Edward Hoey Jr. .... Magnet

William Chaloupka ..... PE

Gerard Van Derlaske ..... NSLS

Leif Ahrens ..... C-A

Keith Radich ..... PE

Maria Apelskog ..... Medical

Alexander Mallen ..... ES&T

Robert DiNardo .... Instrumentation

Robert Brady ..... PE

Walter Ducoing ..... Ctrl. Shops

### 10 Years

Robyn Koebel ..... OMC

Donald VonLintig Jr. .... C-A

Paul Montanez ..... NSLS

Linda Strome ..... ES

Susan Dyroff ..... CEGPA

Gregory Rodzevik ..... PE

Todd Satogata ..... C-A

## Science in Society Essay Contest

All are invited to the award ceremony, today, 3/14

BNL's Science in Society essay contest, originally started by Friends of Brookhaven, is organized by the Office of Educational Programs. The Lab community is invited to attend the award ceremony to be held this afternoon, Friday, March 14, at 4 p.m. in the Hamilton Seminar Room, Bldg. 555, when the finalists will read their essays and win prizes funded by BSA.

The contest aims to challenge high school students in Suffolk County to question and deliberate the purposes and social implications of scientific research. This year, 82 essays were submitted from the following participating high schools: Academy of St. Joseph, Bay Shore, Central Islip, Hauppauge, Hicksville, Long Beach, Longwood, Manhasset, Saint Anthony's, Sanford H. Calhoun, W.C. Mepham, and Ward Melville.

Chosen by an independent panel of judges, prize winners will be: a grand champion, who will win a \$1,000 award; second and third-place winners, who will win \$300 and \$200 respectively; and eight honorable-mention finalists, who will each be awarded \$50.

## LDRD Proposal Deadline, 4/2

BNL's Laboratory-Directed Research and Development (LDRD) program is currently soliciting new proposals, which must be submitted by April 2.

Proposals from all areas that fit into the mission of the Laboratory will be considered, including advancements in physics, chemistry, and biology; medical, energy, and environmental sciences; and those that employ BNL's user facilities.

"I encourage all our researchers to consider submitting a proposal to this exciting program," says Leonard Newman, Scientific Director of the LDRD Program. "This is an opportunity for researchers to express themselves and get support for their new and challenging ideas."

In recent years, the annual budget for the LDRD program has been increased from \$2 million to \$8.5 million, he explains, "So we now have the opportunity to fund many more proposals. In general, we are looking for projects that have a yearly budget between \$50,000 and \$200,000, with a preference for smaller projects. Researchers should note, however, that these activities do not carry any G&A burden, and are thus worth about 40 percent more than regular programmatic budgets."

The LDRD program's purpose is to enable highly innovative and exploratory research, so an element of high risk of success is acceptable. This year, Newman says, "we would be especially pleased to receive proposals in the advances in computational sciences, materials sciences, and biotechnology. Please keep in mind as you formulate your ideas that the LDRD program cannot be used to augment research that is already funded."

Details on BNL's LDRD policy and the LDRD program can be reviewed at [www.bnl.gov/lldr/](http://www.bnl.gov/lldr/). Electronic versions of the proposal information questionnaire submission form can be obtained at this site or from [greco@bnl.gov](mailto:greco@bnl.gov).

"As Scientific Director for LDRD, I am available to counsel individuals to help prepare a successful proposal," Newman says.

For a copy of the call for proposals, contact D.J. Greco at [greco@bnl.gov](mailto:greco@bnl.gov).

## Supercomputing (cont'd.)

of each are of considerable interest to the constituencies of both systems.

The second session, chaired by Yuefan Deng, BNL and Stony Brook University, highlighted some of the potential applications being considered for each supercomputer, for example, the possible use of QCDOC for molecular dynamics modeling or astrophysics.

The final session, chaired by BNL's Jim Davenport, looked to the future. The similarities and differences between the two systems were summarized, and their place within the next generation of supercomputers was considered.

A closing discussion of future work included identifying independent activities that might be strengthened through collaboration, and promoting means to gain more widespread access to machine simulation studies. The value of the workshop to participants led to a consensus for a follow-up meeting in collaboration with the Lawrence Livermore National Laboratory group.

— Liz Seubert

Full descriptions of the talks given during the workshop will be available in the upcoming proceedings, which are currently being compiled. For more information, contact Claire Lambert, [lamberti@bnl.gov](mailto:lamberti@bnl.gov), or Pam Esposito, [pesposit@bnl.gov](mailto:pesposit@bnl.gov).

## Perfect Attendance Photo Op., 3/20

Perfect Attendance awardees, who have been invited to an achievement celebration at 3 p.m. on Thursday, March 20, in Berkner Hall, are asked to arrive at 2:45 p.m. so that they can be included in a group photo to be taken at that time.

## Arrivals & Departures

### Arrivals

Pamela Betti ..... Medical  
Linda Commander ..... PPM  
Paul Friley ..... ES&T  
Alexander Harris ..... BES  
Grant Thomson ..... Env. Sci.

### Departures

Charu Choudhari ..... Env. Sci.  
Cathy Harland ..... Mat. Sci.  
Kai Zhong ..... Medical

## BSA's Volunteers in Partnership Program Can Help BNLers Make a Difference

The Volunteers in Partnership (VIP) Program, sponsored by Brookhaven Science Associates (BSA), seeks to support employees who actively volunteer in organizations outside BNL.

Recent activities sponsored under the VIP Program include BSA funding for the purchase of a printer for RESPONSE of Suffolk County, Inc., a 24-hour crisis intervention hot line. Founded in 1971, RESPONSE is a private, not-for-profit, community-based organization which has as its primary mission to service the area's needs for crisis intervention. Trained volunteers provide free telephone counseling 24 hours a day, seven days a week.

"This BSA-sponsored program recognizes and supports BNL employees in their volunteer efforts and helps to raise the community's recognition of Lab employees and retirees as good neighbors," says VIP Coordinator Elaine Lowenstein.

In addition to supporting BNLers' work with RESPONSE, VIP has subsidized registration fees for Lab employees who volunteered to train as tutors under the Literacy Volunteers of America program. VIP also sponsored a meeting to help Big Brothers and Sisters of Long Island recruit BNL volunteers for their programs.

Under the VIP Program, BSA can provide funding of up to \$300 for expenses, such as permit fees and materials, for each one of various eligible projects. Projects involving non-profit agencies that represent advocacy programs, special political interests or specific religious affiliations are not eligible for the VIP Program. Employees and retirees may submit their project ideas to Elaine Lowenstein, Bldg. 130. For more information on the VIP program, go to: [www.bnl.gov/community/vip/](http://www.bnl.gov/community/vip/). — Jane Koropsak



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BNL Interim Director Peter Paul (second from right) presents a check from BNL's VIP program to RESPONSE Executive Director Sonia Wagner (third from left). Also present are BNLers Susan Foster (left), Marty Woodle (fourth from left) and Peter Pohlot (right), all of whom serve on the RESPONSE Board of Directors; and Jeanne D'Ascoli (second from left), facilitator of the VIP Advisory Committee. Not in the photo are BNL employees Lydia Rogers, who is also a RESPONSE board member, and VIP Coordinator Elaine Lowenstein.

## Fire Island National Seashore Hosts Science Conference at BNL

On Monday, March 24, Fire Island National Seashore (FIIS), will host its fourth biennial Science Conference at BNL in Berkner Hall. This conference, which is open to all, provides an opportunity for members of the scientific community, as well as the general public, to learn about recent or ongoing natural-resource inventories, monitoring programs, and research conducted on Fire Island and the William Floyd Estate. Presentations will be given by experts from academic, government, and wildlife-conservation organizations. Topics will include shoreline change, monitoring native and invasive species, and managing disease vectors.

Acting FIIS Superintendent Barry Sullivan notes that Fire Island National Seashore, which is a unit of the National Park Service, is also "an important part of the entire Long Island ecosystem." He adds, "At this conference, attendees will gain greater understanding of how the National Park Service uses scientific research to help guide decisions."

For more information, including a conference schedule, contact FIIS Biologist Marie Lawrence, 289-1711 or [Marie\\_Lawrence@nps.gov](mailto:Marie_Lawrence@nps.gov). To learn more about Fire Island, visit the park's web site at [www.nps.gov/fiis](http://www.nps.gov/fiis).

### Women's History Month Presentation

## 'Dance With Authority,' 3/21

Join Marlene Chism next Friday, March 21, at noon in Berkner Hall as she delivers the keynote presentation "Dance With Authority," a talk sponsored by BNL's Women's Program Advisory Committee to honor Women's History Month. Chism's talk will focus on the equality of men and women's relationships, division of labor at home, and ways of communicating.

As the President of ICARE Presentations, Chism works with companies that want to build strong relationships and with women who want to take charge of their personal and professional lives. Known as a "street-smart" communicator, Chism brings her real-life experience — from a blue collar worker to a professional — to the speaking platform. Chism also works nationally with chambers of commerce providing workshops and seminars on networking.

## Four Candidates Selected to Run for BERA Board BNLers Will Vote Week of 3/31

The BERA Nominating Committee has selected the following slate of candidates for the 2003 BERA Board Elections:

Nancy Concadoro • Toni Hoffman • Beth Lin • Terry Monahan

From Monday, March 31 through Friday, April 4, all BNL employees, DOE employees, and all other permanent on-site employees may cast their ballots to elect two of the four candidates to serve on the BERA Executive Board beginning May 1, 2003.

More information on the candidates and the election will be published in next week's issue of the Bulletin.

## Softball Players Wanted

There are still openings available on team rosters for the 2003 BERA softball league. Men and women are needed for the new mixed league, which plays on Thursdays. Space is also available in the other BERA leagues. To register, or for more information, contact Susan Cataldo, Ext. 4461, or [softball@bnl.gov](mailto:softball@bnl.gov).



### BSA Noon Recital, 3/19

## Naomi Niskala, Piano

Pianist Naomi Niskala will give a noon recital next Wednesday, March 19, in Berkner Hall. She will perform Schubert's last piano work, the B flat major sonata.

Born in Rochester, New York, Niskala began playing the piano at age three, and at age nine enrolled in the Eastman School of Music's Continuing Education Division. Her competition awards have included first prize at the 1996 Kingsville International Isabel Scionti Solo Piano Competition, and a top prize at the International Stravinsky Awards Piano Competition in Illinois. She received fellowships to attend the Tanglewood Music Festival in 1995 and 1996, and she was given the Jackson Award for exceptional merit and contribution to Tanglewood.

Niskala received a Doctor of Musical Arts degree from Stony Brook University and an Artist Diploma from the Yale School of Music. She is on the faculties of the Neighborhood Music School in New Haven, and Wesleyan University.



### Get to Know Your Lab!

## Visit With BNL's Glass Blower, 3/21

Since space is limited, only the first 15 participants who sign up at noon in Berkner Hall upper lobby on Friday, March 21, will be able to join the Employee Lunchtime Tours to visit with master glassblower Barry Lafler of the Chemistry Department in the BNL Glass Shop. Lafler has been blowing intricate glass instruments for BNL experiments for ten years, following his 22 years of glassblowing at Eastman Kodak.

A Lab bus will transport participants from Berkner to Chemistry, where Lafler will demonstrate his art. The group will return to Berkner by 1 p.m. For more information, call BNL Community Involvement's Elaine Lowenstein, Ext. 2400.

This gleaming work of educational art was built by Lab glassblower Barry Lafler (left) and visiting science teacher Howard Paul for an 1995 exhibit in the BNL Science Museum.



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## Calendar

(continued)

### THIS WEEKEND

#### Friday, 3/14

##### GLOBE Meeting

The Gay, Lesbian, and Bisexual Employee Club at BNL will hold its monthly meeting at 7 p.m. For the meeting's location, contact Debbie Bauer, Ext. 5664, or Mike Loftus, Ext. 2960. For more information about the GLOBE club, see [www.bnl.gov/bera/activities/globe](http://www.bnl.gov/bera/activities/globe).

##### \*Science in Society Essay Contest

4-6 p.m., Hamilton Seminar Room, Bldg. 555. All are welcome to hear local high-school students read their prize-winning essays on Science in Society. See announcement on page 2.

#### Saturday, 3/15

##### Hospitality Bus Trip to Manhattan

Tickets at \$10 per adult, \$5 per child age 2-12. The bus will depart from the BNL Recreation Hall at 9 a.m. and will return to the Lab at about 6 p.m. Natalia Zelenski, 345-0913 or [zelenksi@optonline.net](mailto:zelenksi@optonline.net).

### — NEXT WEEK —

#### Wednesday, 3/19

##### WelcoCGI and Concoa Demo

11 a.m.-2 p.m., Berkner Hall. All BNLers are welcome to attend a seminar/demonstration of compressed gas equipment. Gerry Eisenberger, (973)589-7895, Ext. 326.

##### \*BSA Music Recital

Noon, Berkner Hall. Pianoforte solo by Naomi Niskala. See notice at left.

##### Science Education Forum

Noon-1 p.m., Bldg. 438. All are welcome to join a discussion on interesting and timely issues in science education. Refreshments will be provided. Bring your own lunch. Brian Murfin, Ext. 7171.

##### \*381st Brookhaven Lecture

4 p.m., Berkner Hall. Daniel van der Lelie of the Biology Department will give the 381st Brookhaven Lecture, "Bacterial Biosensors: Tools to Manage Soil and Sludge Contaminated With Heavy Metals." See story on page 1.

#### Friday, 3/21

##### \*Women's History Month Talk

Noon, Berkner Hall. Marlene Chism, a participant of the 2002 National Training Program for Federally Employed Women, will present "Dance With Authority." All are welcome. For more information, contact Lesliam Quirós, Ext. 4772, or [lquiros@bnl.gov](mailto:lquiros@bnl.gov).

##### Employee Lunchtime Lab Tour

Noon, Berkner Hall lobby. First 15 participants to sign up may visit the BNL Glass Blowing Shop in Chemistry. See notice at left.

#### Saturday, 3/22

##### Defensive Driving Course

9 a.m.-3:30 p.m., Berkner Hall, Room B. \$26 per person. Make check out to Empire Safety Council, in care of Scott Zambelli, P.O. Box 670, Mount Sinai, NY 11766. Include your phone number. No checks refunded after today, 3/14.

### — WEEK OF 3/24 —

#### Sunday, 3/30

##### BERA Museum Trip to NYC

BERA trip to the American Museum of Natural History to see the Space Show and the Einstein Exhibit. Price including museum admission is \$38 for adults, \$30 for children. Tickets, information available at the BERA Sales Office, Berkner Hall, Ext. 4894.

### — WEEK OF 3/31 —

#### Monday, 3/31

##### Research Library Seminar: SciFinder

Noon, Berkner Hall, Room B. Brown-bag seminar given by information specialist on SciFinder database. Bring lunch, refreshments provided.

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](mailto:bulletin@bnl.gov). Write "Bulletin Calendar" in the subject line.

## Classified Advertisements

### Placement Notices

The Lab's placement policy is to select the best-qualified candidate for an available position. Candidates are considered in the following order: (1) present employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action Plan, selections are made without regard to age, race, color, religion, national origin, sex, disability or veteran status. Each week, the Human Resources Division lists new placement notices, first, so employees may request consideration for themselves, and, second, for open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people. Except when operational needs require otherwise, positions will be open for one week after publication. For more information, contact the Employment Manager, Ext. 2882; call the JOBLINE, Ext. 7744 (344-7744), for a list of all job openings; use a TDD system to access job information by calling (631) 344-6018; or access current job openings on the World Wide Web at [www.bnl.gov/HR/jobs/default.htm](http://www.bnl.gov/HR/jobs/default.htm).

**LAB RECRUITMENT** - Opportunities for Laboratory employees only.

NS2190. **FIREFIGHTER/EMT** - Requires five years' progressive experience in a fire department, qualification as a motor pump operator on a Class A pumper, and possession of a current NYS EMT certificate. In descending order of importance, the following criteria will be used for selection in the event two or more individuals meet the above criteria: certified OSHA Hazardous Materials Technician; Certified in Confined Space Rescue; current line officer in home department; and possession of an associate degree or higher in fire protection technology. Must be willing to work shifts at the completion of the training period. Emergency Services Division.

**OPEN RECRUITMENT** - Opportunities for Laboratory employees and outside candidates.

MK2828. **POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. in chemistry with a background in surface science or reactions on surfaces and experience with vacuum and surface characterization techniques. Research will involve gas-phase cluster and guided-ion beam techniques being used to prepare and deposit size-selected clusters for subsequent characterization and reactivity studies. Under the direction of M. White, Chemistry Department.

MK2928. **POSTDOCTORAL RESEARCH ASSOCIATE** - Requires a Ph.D. in environmental engineering or a closely related field and hands-on experience in aerosol microphysics measurements. Experience with aerosol instrumentation, data acquisition, and/or field experiments is highly desirable. Research will involve participation in real-time aerosol instrumentation development and field studies designed to understand processes that determine the chemical and microphysical properties of aerosols in the ambient atmosphere. Under the direction of P. Daum, Environmental Sciences Department.

TB2974. **OFFICE SERVICES ASSISTANT** (night clerk, part time, CW-2) - Requires excellent communication and customer service skills, and knowledge of Microsoft Office products. Will provide primary support to the Housing Office and act as backup to Transportation and Division Offices, as required, during the 4 p.m.-to-midnight shift, Sunday, Monday and Tuesday. Responsibilities will include reservations, check-in/check-out of customers, data management, and report generation. Will act as liaison with all residents and assist in the scheduling of house-keeping and maintenance service. Staff Services Division.

### Motor Vehicles & Supplies

01 HYUNDAI TIBURON - black, loaded w/extras, spoiler, 19K mi., trans. warr., \$13,000 firm. Barbara, 732-7186.

99 FORD TAURUS SE - all power, excel. cond., 35K mi., \$8,550. Brian, 821-4234.

98 TOYOTA CAMRY LE - beige, all power, sunroof, cruise, new Michelins, excel. cond., 61K mi., Austin, 363-2796.

97 VOLKSWAGON JETTA - a/t, a/c, p/s, p/b, 97K mi., 4-dr., sunroof, new tires, \$5,500. Beth, 399-3381.

95 FORD ESCORT - a/t/a/c, p/s, 92K mi., excel. cond., new tires & timing belt, \$2,800. Rachel, Ext. 8331 or 399-2417.

95 MERCURY MYSTIQUE - all power, ABS., airbags, 2.0/4c, 88K mi., \$2,500. Edson, Ext. 1207.

95 TOYOTA TERCEL - 2-dr., light green, a/c, good cond., no rust, tinted windows, tape/radio, 4-spd., manual trans., 76K mi., \$4,000. Samuel, 689-8685.

95 VOLKSWAGON GOLF - green, a/t, a/c, p/s, p/b, 93K mi., \$4,000. Rich, Ext. 7013 or 698-5294.

93 LINCOLN TOWN CAR - fully loaded, garaged, leather interior, 63K mi., mint condition. \$5,500, 447-5377.

93 SPORTSTER MOTORCYCLE - 883/1200 by HD, SE heads, cams, ignition, a/c, exhaust, many extras, immaculate. Mark, Ext. 2599.

92 VOLVO 240DL - all power, excel. cond., 115K mi., \$4,700. John, 878-3152.

90 PLYMOUTH LASER - all power, 131K mi., good cond., \$1,000. Maryann, Ext. 2352.

88 CORVETTE - convertible, auto., 75K mi., mint extras, \$11,500. Tony, 298-1932.

87 CHEVY SILVERADO BLAZER - black, tranny, rear end & throttle body, \$4,500. John, 929-6403.

87 FORD F250 - pickup, 4-wheel drive, new eng., 6K mi., new tires, motor, battery, starter, exhaust, brakes, free cap w/purchase, \$3,800. Karen, 286-6133.

87 MERCURY GRAND MARQUIS - s/w, a/t, p/s, p/w, 187K mi., third seat, many extras, runs well. \$750. Marco, Ext. 2110 or 766-6499.

80 KAWASAKI MOTORCYCLE 440LTD - \$350. Don, 345-6279.

TIRES & RIMS - (4) 15 in. rims w/covers & tires mounted & balanced, fits Nissan, \$25/ea. Ext. 4719.

TIRES & RIMS - Goodyear GSA P225 75R15 mounted on stock Jeep rims w/Jeep cent cap, 5 x 4.5", (4) w/20K mi., 1 new, \$150. Mike, Ext. 4590.

### Boat & Marine Supplies

22' CABIN CRUISER BOAT - '88, 4.3 Merc. eng., 6-cyl., new canvas, excel. cond., sleeps 4, \$7,000. Gail, Ext. 5850.

22' WESTERLY SAILBOAT - twin keel, fiberglass, clean, newly painted, many extras, needs some work, \$2,500. 744-3569.

16' RUNABOUT V-HULL - 40 HP Yamaha, fiberglass, no seats, good for hunting/fishing, w/trailer, \$600. Karen, 286-6133.

HP OUTBOARD - 9.9, w/trailer, like new, used once, in mint cond., \$900. Roy, Ext. 6392.

### Furnishings & Appliances

AIR CONDITIONER - 8,000 Btu., used past 2 seasons, then central air was installed, \$260. Andrew, Ext. 7014 or 281-8274.

BEDROOM SETS - oak, queen bed, dresser w/mirror, armoire, 2 nightstands, \$750; antique maple dbl. bed, dresser, nightstand, \$450; daybed, \$100. Mary, Ext. 6344.

CAPTAINS' BEDS - 3 drawers, light pine, v.g. cond., \$50/ea. Anna, 878-3352 Ext. 103.

COUCH - 3-pc., l/rm sectional, white & seafoam green, \$275; lighthouse picture, blues & pinks, peach frame, \$50. Vicky, 724-8208.

CREDENZA - wood w/2 sliding glass doors open to display shelves on top, 2 drawers & cabinets below, antique white, good cond., \$150. Frank D., Ext. 2022 or 586-0779.

CURIO - excel. cond., cherry wood, approx. 6' x 3', \$90. Louie, Ext. 4897.

DESK - wood, 6 drawers & 1 center, \$35; entertainment center, 3-pc., ivory w/glass doors, v.g. cond., \$350. Connie, 588-8492.

REFRIGERATOR - Avanti, 6 yrs. old, good cond., 10 cu. ft., \$100 obo. Keith, Ext. 4044 or 477-0367.

SOFA - Jennifer, full-size sleeper, camel color, leather, cost \$1,600, ask. \$900, moving, must sell. 286-3396.

SOFA - Flexsteel, 87", comfortable, excel. cond., \$75, picture upon request. Nancy, Ext. 5744 or 929-4440.

### Tools, House & Garden

PLOW & TIRE CHAINS - for yard tractor, \$35/all. Ext. 4719

TREES - Evergreen, Spruce & Douglas Fir, 5 ft. to 7 ft., over 50 available for March tagging & deposits, excel. for yard privacy. Tom, Ext. 4507 or 878-1060.

### Sports, Hobbies & Pets

BASKETBALL BACKBOARD - on roller mounted pole, goal, plexiglass, height adjust., cost \$250, ask. \$100. Ext. 5653.

CAMERA - Nikon N90s w/vertical grip battery pack, mint cond., rarely used, orig. boxes, \$575. Joe, Ext. 2384.

NORDIC TRACK PRO - excel. cond., \$250 neg. Patrick, Ext. 5262.

SNOWBOARD - men's, w/bindings, good cond., \$150. Ext. 2370.

### Audio, Video & Computers

COMPUTERS - Intel Celeron, 800MHz, 256M, 40G, NIC w/cable, 17" mon., CD-RW, keyboard, mouse, like-new 56K modem, stereo spkr., \$299. Yigun, Ext. 5268 or 395-5474.

MONITORS - 17" color, OptiqueQ Q71, \$85; CTX 17" color, \$75, both in excel. cond. & high resolution. Joseph, Ext. 2795 or 821-8827.

TELEVISION - Zenith, 32", good cond., \$500. Sande, 345-6279.

### Miscellaneous

GO KART - mid 80 Margay, 5 hp, new eng., slicks, juice breaks, live axle, 45-50 miles/hour, \$550. Bobby, 331-1765.

SNOWPLOW - 7½', angle Meyers & Fisher blades, \$125/ea. Rich, Ext. 4201 or 589-9103.

TICKETS - 4/9, 2 for Metropolitan Opera, second row balcony center, Strauss, *Ariadne Auf Naxos*, \$60/ea. Carmen, Ext. 4135.

TICKETS - 2 for the LI Philharmonic at Stony Brook Univ. Staller Center, 3/15, 8 p.m., cost \$47/ea., ask. \$80/pair. Jason, Ext. 3477.

### Wanted

CHINA - service for 8 or more, excel. cond. a must, please ref. pattern number, reasonable. Donna, Ext. 6044 or Doreen, Ext. 2457.

HOME FOR LOVABLE CLOWN CAT - neutered, all shots, litterbox-trained. Laptop purrmachine. Loves people, hates cats. Pat, Ext. 3902.

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

STUDENTS - German speaking children, who would like to work on their German reading & writing. Simone, 929-0043.

### Free

WASHING MACHINE - Kitchen Aid, lg. capacity, good cond., you pick up. Tom, 821-1999.

### Services

ARCHITECTURAL DRAFTING - new homes, alterations, 25 yrs. exp., many BNL customers. RJ, 929-8514.

AUTO REPAIR - master mechanic will work on your car. Transmission, rebuild engine. Lin, 474-9358.

ATTORNEY - accidents, real estate, matrimonial, family, wills, other, free consultation. Sam, 516-873-0011.

ATTORNEY - immigration, real estate, matrimonial, wills, estates, corporations, free consultation. Susan, 209-1200.

ATTORNEY - real estate, wills, estates, matrimonial, injury, other, free consultation, Lab disc. Anna, 874-7337.

ATTORNEY - specializing in personal injury, worker's compensation, social security disability. Frank, 333-5034.

AUTO DETAILING - hand waxing, interior cleaning, pick up & drop off available while you work. Steve, 878-6391.

BABYSITTING - 13 yr. old exp. babysitter available weekends in Medford vicinity. Betty, 758-2653.

BAKED GOODS - Gloria's gourmet cookies, pies, cakes. Mark, 369-7476 or [www.angelfire.com/ga2/goppiso](http://www.angelfire.com/ga2/goppiso).

BLINDS - installation. Joe, 563-2103.

BOAT HAULING - inside, outside, winter storage, reasonable. Al, 878-2577.

BOAT MECHANIC - shrink-wrap, winterizing, repairs, I/O service, we travel to your boat, hauling avail. up to 25'. Rich, 281-1089.

BOAT TRANSPORT/ENGINE REPAIRS - re-powering I/O, Mercruiser, Volvo, OMC, licensed, insured since 1980, 10% discount to Lab employees. Tom, 589-6640.

BRICKWORK - masonry, patios, walks, swimming pools, retaining walls, landscaping ties, Belgium block, 25 yrs. Lab disc. Tony, 698-9274.

CALLIGRAPHY - for all occas., wedding songs, bar/bat mitzvahs, births, housewarming, blessings, family trees, [www.geo.cities.com/calligraphybysharon/index.html](http://www.geo.cities.com/calligraphybysharon/index.html).

CARPENTRY - we do all types of carpentry. 917-570-5349.

CAR REMOVAL - junk cars, trucks & motorcycles removed free of charge. Rich, Ext. 4201 or 589-9103.

CATERING - all occasions, large and small, excellent food and services. Frank, Ext. 3120.

CHILDCARE - licensed daycare provider available day & night, full-time or part-time, reasonable rate including meals, C.P.R. certified, D.S.S. welcome. Marie, 758-4328.

CHILDCARE - all ages, experienced mother of one will care for your children, refs. avail. Tina, 395-4521.

CHILDCARE - by licensed, loving mother, references provided by BNL employees. Robin, 345-0298.

CHILDCARE - lic. & ins. provider, f/t, p/t, before & after school, refs. avail. Diane, 727-3213.

CHILDCARE - overnight & weekend in Islip Terrace home, experienced, caring mother, refs. Susan, 224-9146.

CHILDCARE - licensed daycare provider available f/t or p/t, reasonable rate including meals, D.S.S. welcome. Tracy, 208-3925.

CHILDCARE - CPR certified mother and assistant will babysit your child in my Shirley home. Meals and activities are included. Keri, 399-8383.

CHIMNEY SWEEP - fireplaces, wood & oil chimneys, ss caps & chase pans, f/p accs., Lab discounts. Mike, 821-5526.

CHIROPRACTOR - Sayville area, neck, lower back pain, headaches, more, ins. accepted, no co-payments. Joan Santangelo, 563-1444.

CHIROPRACTOR - need a little help getting around lately? Let chiropractic methods help you feel better. Dr. Joanna Fasulo, 289-3939.

CHOCOLATE PIZZA - boxed, made to order, 3 sizes, great gift, allow 3 days for delivery. 751-7023.

CHRISTMAS ORNAMENTS - homemade. Brian, Ext. 4297.

CLEANING - Cygnet cleaning service L.T.D. commercial to residence, all types of cleaning. Pam, 369-2414.

CLOCK REPAIR - many years experience, expert on antiques and grandfather clocks, BNL ref. available. 475-8971

COMPUTER CONSULTANT - custom built PCs, upgrades, servicing, troubleshooting, tech. support, personal tutoring, complete computer care. Jason, 776-1352.

COMPUTER REPAIRS - Is your computer misbehaving? All aspects of the PC, upgrades, troubleshooting. Charlie, 474-5821.

COMPUTER SERVICE - full computer service, upgrades, machines made to order. Very affordable, tutoring & set up available. Gardner, 366-0918.

COMPUTER SERVICES - need help with that doorstep, I mean... computer? Call "The Geek" for all your hardware, software, training needs. Lee, Ext. 6306 or 547-1548.

COMPUTERS - for all your computer needs, hardware, software, peripherals, systems. 924-4251.

COUNSELING - experienced social worker, reimbursable for several ins. plans. Linda, 929-5860.

COUNSELOR - alcohol, drugs, codependency, education, interventions, 10 yrs. exp. in helping family members of alcoholics/addicts. Millie, 821-5299.

CRANE/BACKHOE SERVICE - 60-ton, 175', full concrete, lic., ins. Joe, 395-0738.

CUSTOM CLOSETS - interior, designed to maximize space, for clothing, shoes, hats, & other storage items. Fred, 369-9720.

DEBRIS REMOVAL - large objects, furniture, household items, construction clean-ups, snow removal. Joann, 399-4450.

DJ - for all events, professional sound system, huge musical selection, variety & quality. Dylan, 334-7809.

DJ - MSW Extreme, professional lights & sounds, large selection of music. Walton, 718-281-1879 or [www.mswextreme.com](http://www.mswextreme.com).

DJ/KARAOKE - professional, ins., lights, give-aways, party packages, quality & excitement for all occasions. Carol, 281-5060.

DENTIST - full family and cosmetic dentistry, children welcome, free consultation, most ins., even., Saturdays., emergency appointments, K-dental. 758-6565.

DOG GROOMING & BOARDING - reliable animal lover will groom and/or board your pet(s) in my home or yours. References avail. Lynn, 981-7719.

DOG RESCUE - will find loving homes for your small dogs, puppies and birds. Maggie, 878-3935.

DRUM LESSONS - high school percussionist, exper.: USDAN, Saratoga, Tanglewood. Teaches snare, mallets, timpani. Beginners welcome. \$20/hr. David, 736-6387.

ELECTRICAL WORK - licensed electrical contractor, Est. 1975. Joann, 399-4450.

ELECTRICIAN - free estimates, licensed insured, references upon request. Michael, 331-4333.

ELECTRICIAN - outlets, lighting, upgrades, security lighting, renovations, violations removed, computer & cablevision lines installed, lic./ins. Tim, 331-4683.

EMBROIDERY - custom designs, monogramming, baby, bridal gifts, team shirts, children's clothes. Nancy, 878-5449.

EMILY'S CHOCOLATE SHOP - handmade candy, custom orders, party & wedding favors, printed ribbons. Phil, 265-8960.

ENVIRONMENTAL TESTING - take a test to find out if you have a healthy home. 727-5646.

EVENT SERVERS - professional, courteous servers for all your special events. Enjoy your party while we take care of the rest! Jenn, Ext. 5922 or 331-3765.

EXCAVATING AND BACKHOE - avail. in Mastic, Brookhaven, Bellport & East Patchogue. Ron, 298-5625.

FIREWOOD - seasoned firewood, full cords, 4x4x8, \$125, half cords, \$75, delivered. Rick, Ext. 3751 or 878-4943.

FITNESS PROVIDER - fast, fun, fitness for women, 30 minute workout. 205-5386.

FLOOR MAINTENANCE - strip & wax any floor size 8'x10' to 30'x50' for \$100 in any cond., prof. results. Carl, Ext. 5010 or 369-3730.

FOREIGN LANGUAGE - Spanish, French, Italian, 6 mos. - adult, children a specialty. Penny, 472-3531.

GENEALOGICAL RESEARCH - assistance in family tree and genealogical research. 20+ years experience. Jim, Ext. 2432 or 821-9178.

GIFT BASKETS - handmade items. Kathy, 209-0924.

GIFTS & JEWELRY - for all occasions, \$10 - \$45. Maria, 281-1441.

GUTTER COVERS - patented design. Keep your gutters clean - always! Guaranteed. [www.LIGutterProtection.com](http://www.LIGutterProtection.com), Lic./Ins. Free estimates. Henry 727-4888.

GUTTERS - seamless leaders & gutters installed, licensed & insured, professional, courteous service. Kevin, 208-3959.

HANDYMAN - carpenter, plumbing, painting, yard clean ups, light trucking and moving, fast, reasonable, neat worker. George, 399-8649 or Paul, 281-5030.

HEARING AIDS - small, canal-style, testing, fitting, top brand, 50-100% off list price, take ins. assign. Bob Stone, 878-6645.

HOMECARE - person available to care for person, requiring 24 hours, 7 days a week care. Frank, 727-5096.

HOME HEALTH AIDE - live-in care for an elderly person or children, references provided, for info. call Ed or Judy at 751-1474.

HOME IMPROVEMENT - home improving, roofing, siding, clean up work, painting, general repairs, large & small, reasonable. George, 878-1178.

HOME IMPROVEMENT - repairs & improvements, roofing, siding, reliable. Brian, 399-0445.

HOME IMPROVEMENT - roofs, ext., dormers, decks, kit., baths, siding, lic., ins., refs. Chris, 286-1348.

HOME IMPROVEMENT - vinyl siding, windows, doors, no job too small, licensed and insured. John, 929-4822.

HOME INSPECTION - pre-list/pre-purchase, comprehensive, prof. reports, clients welcome on inspection, Lab disc. Chris, 395-8810.

HOME INSPECTION - pre-purchase, professional, data collection checklist, comprehensive narrative report inc. Patrick, 696-7954.

HOME INSPECTIONS - J & V home inspections, NY state licensed professional engineers on-site verbal report comprehensive written report. Bryan 716-1651.

HOME REMODELING - windows, doors, dormers, extensions, garages, decks, painting. Can't get a contractor to come over? Call Joe, 475-6981.

HOME REMODELING - interior & exterior painting, it's easy to decorate! Work done with TLC. No job too small. Frances, 281-4492.

HOME VIDEOS TO DVD - don't let time dim your memories. Convert your VHS and 8mm videos to DVD, 1 hr./\$25, 2 hrs./\$35. Thomas, 793-4568.

HOUSE CLEANING - home or office, refs. avail. Ext. 3426.

HOUSE CLEANING - parties, no agency, no time limit, refs., weekly, flat rate, reliable, exp., mature woman. Miss Betz. 924-3236.

HOUSE CLEANING - Polish lady will clean your home weekly or biweekly. Teresa, 698-0851.

HOUSE CLEANING - Residential or commercial, reasonable & reliable, 15 yrs. exp., free estimates, party preparation & clean-up. 929-2867.

HOUSE CLEANING - experienced woman will clean your house or apartment, references available. Ewa, 744-2860, evenings.

HOUSE CLEANING - if you are looking for a good house cleaning, you can call us, ref. avail. 415-673-0205.

HOUSE/PET SITTER - refs. avail. Cindy, 286-1075.

HOUSEKEEPER - will clean your home to your standards, w/schedule convenient to yours, even once a month, excel. refs. Jane, 874-4049.

HOUSE SITTER - responsible, mature, non-smoking woman available for house sitting, references upon request. Ext. 5197 or 286-4287.

INCOME TAX PREPARATION - individual income tax preparation prepared by CPA. Cost effective, professional and reliable service. 821-6339.

INGROUND SPRINKLER SYSTEMS - winterization: inground sprinkler system, 6 zones or less starting at \$29.95, \$3/ea additional zone. 484-7357.

IRRIGATION - ground sprinkler systems, installed, repaired, lic. & ins., certified backflow tester, all work guaranteed. Bob, 246-6020.

INSURANCE - life insurance, annuities and mutual funds. Mathew, 582-6544 Ext. 5076.

JEWELER - special orders, repairs, honest, affordable, no job too large or small. Kelly, 821-5239.

JIU-JITSU - self defense Jiu-Jitsu grappling. Tom, 929-0324.

JUNK CAR REMOVAL - trucks, motorcycles removed free. Rich, Ext. 4201 or 589-9103.

KAYAK LESSONS - touring & river playboats, equipment supplied, outdoor pond lessons, 7 days /week, intro \$60/3 hrs. Ernie, 281-7873.

LAND CLEARING - trees, stumps, brush removed, topsoil graded & raked with 450 loader, \$100/hr. Tom, 878-1060.