# Bulletin



Vol. 58 - No. 5 February 13, 2004



# Battelle President, CEO Kohrt Talks on Battelle, BNL, 2/17

arl Kohrt, President and CEO of Battelle and the current BSA Board Chair, will give a talk on "Battelle's Vision and Its Relevance to BNL," on Tuesday, February 17, at 1 p.m., in Berkner Hall. All are invited. Kohrt will focus on Battelle's strategic purposes in operating laboratories, the strength of its partnership with Stony Brook University and affiliated universities, and the benefits that can occur at BNL from this.

Kohrt began his tenure at Battelle in 2001 after a distinguished 29-year career at Kodak, where his work was nearly equally divided among research and development, global technical management, and international business.

Battelle, a global science and technology enterprise, oversees 16,000 staff members and conducts \$2.7 billion in annual research and development. This area of responsibility includes

Battelle manages or co-manages for DOE: BNL, National Renewable Energy Laboratory, Oak Ridge National Laboratory, and Pacific Northwest National Laboratory.

A native of central Illinois, Kohrt earned a B.S. in chemistry from Furman University, a Ph.D. in physical chemistry from the University of Chicago, and an M.S. in management science from the Massachusetts

serves on the boards of numerous business and civic organizations, including the Board of Directors of Scram Technologies, Inc; Pharos, LLC; Battelle for Kids; Project GRAD-Columbus; COSI Columbus; Brookhaven Science Associates, LLC; UT-Battelle, LLC; Furman University Board of Trustees; Ohio Business Roundtable; and Greater Columbus Chamber of - Liz Seubert Commerce.

# BNL Honors 14 for Science & Technology, Engineering, Support

t the BNL Employee Rec-Aognition Award Ceremony on February 2, 14 Lab employees were rewarded with BNL's highest honors. This Bulletin features the employees who won the Science & Technology Award, a \$5,000 prize given to recognize distinguished contributions to the Lab's science and technology mission over one or more years. The prize may be won in any scientific or technical discipline other than engineering and computing. Future Bulletins will focus on the five & \$5,000 Engineering Award winners and the four Brookhaven Award winners.

At the ceremony, the Science & Technology Awards were presented by Peter Paul, Deputy Laboratory Director for Science & Technology. The five winners are: Robert Bari, Energy Sciences & Technology Department; Louis DiMauro, Chemistry Department; Jan Hrbek, Chemistry; Gene-Jack Wang, Medical Department, and Anatoli Zelenski, Collider-Accelerator Department. A summary of their achievements follows.

– Liz Seubert



Pictured with BNL Director Praveen Chaudhari (back, second from left), Deputy BNL Director for Science & Technology Peter Paul (back, left), and Interim Deputy BNL Director for Operations Mike Bebon (back, right) are the recipients of BNL's 2003 Science & Technology Award: (back, from left) Anatoli Zelenski, Collider-Accelerator Department; Jan Hrbek, Chemistry Department; (front, from left) Louis DiMauro, Chemistry; Gene-Jack Wang, Medical Department; and Robert Bari, Energy Sciences & Technology Department.

# Robert Bari

Robert Bari, Energy Sciences & Technology Department, is internationally known for outstanding contributions to the development and application of probabilistic risk assessment (PRA) methods to nuclear reactors, nuclear materials and waste management, and electrical power system reliability. Under his leadership, BNL became recognized as a world leader in PRA methodologies. A Fellow of the American Nuclear Society (ANS), he was honored in 2003 (continued on page 2)

# **Louis DiMauro**

Louis DiMauro, Chemistry Department has been recognized for his pioneering work in applying and improving ultrafast laser technology to characterize the response of atoms and molecules to intense, nonperturbative electromagnetic fields. Among his experiments of particular note are studies of the double ionization of helium, with results that ultimately led to the development of a rescattering model that reproduces the observed helium (continued on page 2)

# Jan Hrbek

Jan Hrbek, Chemistry Department, has made landmark contributions to the characterization and understanding of catalysts on surfaces, vital to the improvement of catalyst design. He is internationally recognized not only for his application of synchrotron radiation and scanning tunneling microscopy to catalysis and surface science systems but also for his leadership in nanoscale catalysis research, now a major theme at the BNL Center for Functional Nanomaterials. (continued on page 2)

# **Gene-Jack Wang**

Gene-Jack Wang, Medical Department, has made outstanding, original and creative contributions to the field of brain imaging, particularly in the field of obesity. In a landmark study, published in The Lancet, he used Positron Emission Tomography (PET) imaging to document for the first time that obese individuals experience reduced brain dopamine activity.

Dopamine is the main chemical messenger for transmitting signals of reward and well-being. Prior studies by Wang and Nora Volkow had shown that other forms of addiction like cocaine, alcohol, (continued on page 3)

# Anatoli Zelenski

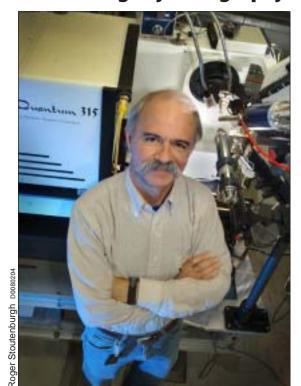
Anatoli Zelenski, Collider-Accelerator Department, has been recognized for his pioneering work in the design and development of a very high intensity, optically pumped, polarized negative hydrogen ion source — the starting point for the polarized beams used for polarized proton collisions at BNL's Relativistic Heavy Ion Collider (RHIC).

Zelenski's state-of-the-art source is ten times more intense than the previous polarized source used at the Alternating Gradient Synchrotron and is an essential addition to the RHIC polarization facilities, making it possible to measure proton spin

(continued on page 3)

**391st Brookhaven Lecture** 

# 'Cultivating Crystallography: A Research Resource for Biomolecular Structures at the NSLS,' 2/25



esearchers who attempt to design drugs, produce vaccines, and modify the biosynthesis of natural products have a powerful tool in the National Synchrotron Light Source (NSLS). They can get direct information and graphical guidance on a range of life processes from images of biological macromolecules, images that have extremely high — atomic level — resolution.

To help obtain these images, Robert Sweet and a team of biophysicists from the Biology Department, in collaboration with NSLS researchers, operate workstations using shortwavelength (x-ray) light from the NSLS. From these workstations, they, plus academic and industrial users, can visualize crystalline specimens of large biological molecules and viruses.

To describe the work he and his colleagues have done in the develop-

(Left) Robert Sweet at the NSLS.

ment and operation of the NSLS stations where the data that produce these images are obtained, Sweet will give the 391st Brookhaven Lecture, "Cultivating Crystallography: A Research Resource for Biomolecular Structures at the NSLS."

The talk will begin at 4 p.m. in Berkner Hall on Wednesday, February 25. Sweet will be introduced by Biology Department Chair Carl Anderson.

In addition to describing how the crystallography method works, Sweet will discuss how several results obtained using the NSLS have impacted biological science.

This research includes work on the ribosome — the cell's protein-synthesis factory — and on the ion-pore research by 2003 Nobel Prize winner Rod McKinnon of Rockefeller University. Sweet will also describe how BNL researchers meet the needs of investigators who come from all over the world to use the NSLS.

Sweet received his 1970 Ph.D. in

physical chemistry from the University of Wisconsin. He came to Brookhaven in 1983, to develop NSLS beam line X12C. In 2000, he was a corecipient of BNL's Science & Technology Award for contributions to the development and use of NSLS protein crystallography beam lines. He is currently the principal investigator of the Macromolecular Crystallography Research Resource, which provides facilities and support at the NSLS for the benefit of outside and in-house investigators.

Brookhaven lectures are free and open to the public. Visitors to the Lab ages 16 and over must have photo identification. — John Galvin

To join Sweet at an off-site restaurant after the lecture, contact Denise Kranz Robinson, Ext 5055, or kranz@bnl.gov.

The Bulletin February 13, 2004

# Calendar

of Laboratory Events

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

Mondays: BNL Gospel Choir 5:15-7 p.m. Berkner Hall. All faiths are welcome. www.bnl.gov/bera/activities/choir/. Weekdays: Free English for Speakers of Other Languages Classes

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

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

Monday & Friday: Jazzercise Noon-1 p.m., Rec. Hall. Pre-registration is required. Christine Carter. Ext. 5090.

Mon., Thurs., & Fri.: Tai Chi Noon- 12:45 p.m., Brookhaven Center North Room. Adam Rusek, Ext.  $5830 \, \mathrm{or} \, \mathrm{rusek} \, \mathrm{@bnl.gov}.$ 

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

Tuesdays: BNL Music Club Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846. Tuesdays: Jiu Jitsu Club

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

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

Tuesdays & Thursdays: Aerobics 5:15-6:30 p.m., \$4 per class. Rec. Hall. Pat Flood, Ext 7886.

Tuesdays & Thursdays: Aqua Aerobics 5:15-6:15 p.m. Eight-week session. \$20 to at tend once a week; \$40 to attend twice a week. Ext 2873 for more information.

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

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

Wednesdays: Weight Watchers Noon-1 p.m. Michael Thorn, Ext. 8612. Wednesdays: Yoga Practice Noon-1 p.m., Brookhaven Center. Free. Ila Campbell, Ext. 2206.

Wednesdays: Open Chess Night 5-8 p.m., Rec. Hall. Christine Carter, Ext. 5090. Wednesdays: Dance Lessons

6-8 p.m., North Ballroom, Brookhaven Ctr. John Millener, Ext. 3853. Fridays: Family Swim Night 5-8 p.m. at the BNL Pool. \$5 per family.

Fridays: BNL Social & Cultural Club 6-9 p.m, North Ballroom, Brookhaven Ctr., dance lessons, 9-11:30 p.m. general dancing. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

# February is Black **History Month**

See the Black History Month poster exhibit on display during the month of February in Berkner Hall.

Additional events commemorating Black History Month are included in the calendar below.

# -THIS WEEKEND -

# Friday, 2/13

# \*Blood Drive

9:30 a.m.-3 p.m., Brookhaven Center. BNLers from age 17 to 75, in good health, and weighing over 110 pounds are welcome. All donors must have photo ID and know their social security number. Make an appointment through Susan Foster, Ext. 2888 or donateblood@bnl.gov.

# \*Valentine's Eve Dance Party

7 p.m. Complimentary hustle dance lesson. 8 p.m. ACCENT rock band will play. Jointly sponsored by BNL Social & Cultural Club and BNL Ballroom Dance Club. \$8, buy tickets at the door only. See notice, page 4.

**Invasive Plant Awareness Week, 2/21-28** 

# BNLers, Join the Weed Watchers!

little-known BNL group, Athe volunteer Weed Watchers, is hoping to attract more members. But why watch weeds?

"Invasive plant species are taking over our native ecosystems," says Tim Green, BNL's Cultural and Natural Resources Manager, in the Environmental & Waste Management Services Division. "This is resulting in a dramatic loss of habitat and biodiversity across the country."

Green explains that the invaders are non-native species of plants that have the ability to grow quickly, produce prolific seeds, and out-compete the native species. Through its Natural Resource Management Program, BNL has identified invasive species as one of the concerns for the integrity of the Pine Barrens ecosystem.

"To help in the detection effort, we have established a volunteer Weed Watchers group comprised of concerned BNL employees," says Green. "The group is led by Maureen Dunn of the Department of Environmental Sciences."

Says Dunn, "We started small, last April, and the volunteer Weed Watchers group now has about 15 members. Nine of us are trained in identifying invasive weeds. With help from student interns, we have begun mapping all the known invasive species located on BNL's site, which is 5,265 acres. So far, we've identified a number of different species that threaten habitats on site."

BNL's site invaders include Japanese Barberry, which was originally planted in gardens as an ornamental shrub and has now escaped and grows wild, displacing native vegetation and changing the soil pH; Oriental bittersweet, an extremely invasive woody vine, common at BNL, which inhibits photosynthesis in native trees and quickly destroys the tree as it wraps around it; Phragmites or common reed, which has displaced acres of native reeds and cattail marshes in freshwater and estuarine wetlands across the country, "and the list goes on and on," says Green.

"We've mapped the locations

With Tim Green (right), BNL's Cultural & Natural Resources Manager, are the volunteers who form the **BNL Weed Watchers:** (from left) Ernie Lewis, Mary Lynn Heinrich, Tom Lambertson, Rolf Beuttenmuller, Nicole Bernholc, Maureen Dunn, and Jerry Granzen. Not pictured are Liz Bradley, Elaine Dimasi, Jennifer Higbie, and Barbara Hoffheins.





displace the native reeds of Long Island. of all known infestations of weeds and we're maintaining them as a layer within the Geo-

## National Community Effort

used by BNL," says Dunn.

graphic Information System

BNL is not alone in weed watching. Nationally, the Invasive Weeds Management Council is working to coordinate efforts of federal agencies and states to reduce the threat of the invaders. Regionally, the Long Island Weed Management Area (LIWMA), established in 2002, is working to form a partnership between local landowners to locate, map, and identify weedfree areas in order to protect them from invasive weeds. BNL is a member of the LIWMA.

"One of the most interesting aspects of watching for these weeds is the community spirit it involves," says Dunn. "It's to everyone's advantage that all areas of land are protected, because seeds can migrate from one place to another so quickly. We have found that BNL is comparatively free of invasive weeds, but that's not the case everywhere. This is a situation that needs constant surveillance, for our own sakes and for our neighbors' sakes too."

What can be done to help? Says Green, "When planting your gardens and flowerbeds, take the time to learn whether the plants you are going to use

are invasive or not. Then, once you know which plants are invasive, ask your greenhouse to discontinue the sale of these common plants. Many horticulturists are joining the growing coalition to stop invasive weeds. See if yours will, too."

**Attend Weed Watcher** 

The Weed Watchers group

will hold a meeting in Berkner

Hall, Room B, on March 24,

noon-1 p.m., and then a Spring

Kick-off effort on Saturday April

24, 9 a.m., when a trained bota-

nist will lead the group in a

weed-sweep of a section of the

Lab to identify invasive plants.

For more information or to reg-

ister for the kick-off, contact

Maureen Dunn, Ext. 5427 or

mdunn@ bnl.gov, and visit

http://www.bnl.gov/esd/wild-

life/Invasive Plant.htm.

Meeting, 3/24

Finally, anyone wanting to help repel the invaders can join either BNL's Weed Watchers group (see box) or the Long Island Weed Watchers coordinated by the Long Island Chapter of The Nature Conservancy.

# Get to Know Your Lab! Visit the Radiation Calibration Facility, 2/27

On Friday, February 27, all are invited to visit the Radiation Calibration Facility, operated by the Radiological Control Division's (RCD) Instrumentation & Calibration Group. The facility provides calibration, maintenance, and repair for over 1,400 monitoring instruments used at BNL. Meet at noon in the upper lobby of Berkner Hall. Elaine Lowenstein of Community Involvement will take the group to Bldg. 348 where Paul Zahra, RCD, will explain work done at the facility. The group will return to Berkner by 1 p.m.

# BNL Honors 14 for Science & Technology, Engineering, Support

Bari (cont'd.)

by the Society's Tommy Thompson prize for contributions to nuclear safety research.

Bari, who joined BNL in 1971, had received his Ph.D. in physics from Brandeis University. He has more than 100 technical publications on risk assessment and nuclear safety, and has been extremely active in related professional areas, such as serving on the ANS Board of Directors, 1994-99. At BNL, he was Deputy Chair, then Chair of the Department of Advanced Technology, 1988-95, 1995-2000, and in 1999 also served as an Interim Associate Laboratory Director.

In recent work, Bari has been applying probabilistic risk techniques to relatively uncharted areas: the reliability of electrical grid systems, the safety of nuclear waste and non-reactor materials, and the evaluation of nonproliferation characteristics and physical protection of reactor and other nuclear facility designs. He currently serves as U.S. Co-chair of the Generation IV nuclear reactor international experts group that is tasked with developing nonproliferation evaluation methodologies for the next generation of nuclear power plants worldwide.

**DiMauro** 

double ionization yields and accounts for observed high-energy cutoff for ejected electrons, and the unexpected plateau and cutoff energies for high-harmonic, photon emission. The rescattering model provides a unified description of intense field interactions for effects such as multiple electron ejection and high-harmonic generation, and opens the door to deeper exploration

DiMauro has also contributed substantially to the success of the Free Electron Laser (FEL) program at BNL, from its inception to his present involvement with the crucial area of laser beam metrology. His outstanding work has strengthened BNL's position as a leader in laser-accelerator physics. In recognition, in addition to his having tenure in Chemistry, he was appointed to the tenured staff of the National Synchrotron Light Source Department.

DiMauro, who joined the Lab in 1988, received his Ph.D. in chemistry at the University of Connecticut. He is a Fellow of the American Physical Society and of the Optical Society of America.

(cont'd.) Hrbek (cont'd.)

(cont'd.)

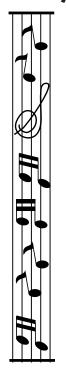
Catalysts, which accelerate and direct chemical reactions without themselves reacting, are critical in the chemical and petrochemical industries and essential for keeping the environment clean. Through Hrbek's work, notable advances have been made in the understanding, for example, of sulfur poisoning, which improves the poison resistance of catalysts for transformation of oil to valuable chemicals; alkali promoters, which help produce ammonia, ethalene oxide, etc. In his nanoscience research he discovered that sulfur atoms structurally self-assemble and transform the substrate structure with minor changes in sulfur coverage or temperature; he obtained timeresolved images of adsorbates on surfaces that demonstrate the dynamic nature of ordered adlayers; and he has developed a way to prepare a model catalyst that allows the study of the relationship between nanoscale structures and reactivity.

Hrbek received his Ph.D. in chemistry at the Czechoslovak Academy of Sciences. He joined BNL in 1984, and was Interim Department Chair 2001-2003.

into laser-atom interactions.

**The Bulletin** February 13, 2004

# 'The Gathering of the Slides II,' Sonny Landreth at BNL, 2/20



he Gathering of the Slides II," a concert featuring Sonny Landreth, will be held in Berkner Hall on Friday, February 20, at 8 p.m. Sponsored by the BNL Music Club and the Long Island Blues Society, the concert will be open to the public. All visitors to the Laboratory age 16 and over must bring a photo ID.

Born in Canton, Mississippi, Sonny Landreth started his own band when he was about 13 years old. His recording, "The Road We're On," from Sugar Hill Records, has been nominated for a Grammy Award for the best contemporary blues album of 2003.

In addition, guest artists include the Kerry Kearney Band and Little Toby Walker. The Kearney band includes Eileen "Little Steamroller" Murphy on drums, Frank Celenze on bass, and Tony Campo on keyboards.

Tickets for the show cost \$20 in advance at the BERA Sales Office or \$30 at the door. The BNL Music Club requests that each audience member bring a nonperishable food item to the concert for the Lab's food drive to benefit local food pantries.

# **Arrivals & Departures**

Arrivals

Joanna Ingraham ..... EENS Departures Michael Verderosa ..... QM

# Hospitality Party, 2/14

The BNL Hospitality Committee invites all BNLers to attend a Valentine's Day party on Saturday, February 14, at 5:30 p.m. in the Recreation Hall. Food, beverages, and DJ music will be provided. Children are welcome provided that they have parental supervision. For more information, contact Monique de la Beij, 399-7656.

# **ASAP Happenings**

Students & Postdocs — These events are for you! All events are in the ASAP lounge — under the dome, Bldg. 750.

Tuesdays, noon **Lunch Discussions** Wednesdays, 7 p.m. Movie Night Thursdays, 5 p.m. Free coffee and snacks

# **Give Life Today Blood Drive**, 2/13

Those eligible to donate are people in good health between the ages of 17 and 75 who weigh at least 110 pounds. Contact Susan Foster at Ext. 2888, or email donateblood@bnl.gov.

# Softball Captains, 2/25

A meeting for all softball captains will be held at noon on Wednesday, February 25, in Berkner Hall, Room D. At least one representative from each team that plans to play this season should attend. League fee and structure will be discussed and each team should bring a \$50 team deposit to this meeting. For more information, contact Rich Scheidet, Ext. 5284.

# Daffodil Days

BERA will again be selling daffodils to benefit the American Cancer Society. A bunch of ten fresh cut flowers is \$7. Pick up your spring bouquet during the week of March 22. Paid reservations are being taken at the BERA Sales Office, Bldg. 488, Monday-Friday, 9 a.m.-3 p.m.

# Poems It's Time to Hear

*It's Time* is the title of Robert "Bob" Brown's book of collected poetry, and also words he likes to live by. Brown, who retired from BNL in 2001, has been writing poetry for as long as he can remember.

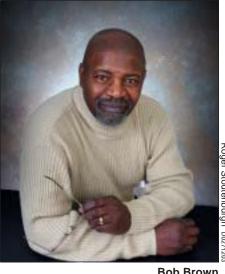
"Writing poems has been a favorite hobby of mine all my life, and I thought it was time to share some of them," says Brown. He has given poetry readings at the East Enders Coffee House in Riverhead and to Long Island East End senior citizen groups.

Brown's poems show life and change, family situations that are relevant to everyone, a father's abiding love for his child, a man's lyric love for his bride. He sees parallels to human characteristics in nature: "Are we leaves or flowers or trees." He talks about growing old, about current affairs, about

his commitment to Christianity. "I always get such a positive response when I share my poems with other people. There is nothing better than sharing my experiences as a black person growing up and living in Riverhead," he says.

Because his poems are expressed so simply, sincerely, and with such honesty, Brown's experiences as a black person can be truly shared. A stunningly powerful example is found in "Where Go Ye Bigot," in which he shows his belief that prejudice is not just against a particular race, and that modern times, "When blood's put in a blender, When transplants are commonplace," will eventually leave bigots behind:

Where go ye now oh Bigot What place do you call home Some time in this land Which is close at hand You'll find you're standing all alone.



**Bob Brown** 

This optimism for the future is seen repeatedly in the poems, as, for example, in

The time for revenge and blame has passed Let's look to the future anew God has led us safely thus far Now it's time to do our just due. It's time for my young brothers To stand tall with pride and grace And to be a living hero to Some child of this proud race.

Brown feels strongly that Martin Luther King Jr. made great contributions to African Americans' destiny, but that much work is needed to carry on King's legacy. In another poem, Brown honors King:

Our Debt to Dr. King Never was and never will be An easy thing to arrange To alter a course, without brute force

To inflict a culture change. Attend a school board meeting Visit town hall once in awhile Really rock the boat, each election vote

And feel King's heavenly smile . . .

Says Brown, "My true motto in life is that there is nothing you can't do if you want to do it badly enough." — Jane Koropsak

# **Calendar**

(continued) Saturday, 2/14

\*Valentine's Day Party

5:30 p.m., Rec. Hall. All are welcome to attend this Hospitality-Committee-sponsored party. See notice below, left. Monique de la Beij, 399-7656.

#### — WEEK OF 2/16 —

### Wednesday, 2/18

#### Thermo Vacuum Generators Demo

10 a.m.-2 p.m., Berkner Hall. Representatives from Thermo Vacuum Generators will present BNLers with special discounts on their products and services. Tom, 617-471-3888, tommurphy@ thermo.com.

#### \*Poetry Reading

Noon, Berkner Hall. Poetry reading featuring Robert "Bob" Brown. BNL African-American Culture Club-sponsored Black History Month event. Barbara Simpson, Ext. 7643. See story, left.

#### **Black History Brain Quiz**

Noon, Berkner Hall. BNL African-American Culture Club-sponsored Black History Month event. Barbara Simpson, Ext. 7643.

# Thursday, 2/19

#### **BERA Bridge Club**

7 p.m., Brookhaven Center, South Room. Morris Strongson, Ext. 4192, mms@bnl.gov.

# Friday, 2/20

## \*Blues Concert

8 p.m. Berkner Hall. Sonny Landreth "The Gathering of the Slides II. Tickets cost \$20 in advance, \$30 at the door. See announcement at left

# Fri., 2/20 - Sun. 2/22

### BERA Ski Weekend to Gore Mountain

Some seats remain. Bus departs BNL 2/20, 5 p.m. and departs Lake George at 5 p.m., 2/22. Prices from \$195 pp-quad, \$215 pp-triple, \$225 pp-double. Call Christine Carter, 5090. See www.adventureunlimited.com.

# — WEEK OF 2/23 —

# Monday, 2/23

# **IBEW Meeting**

6 p.m. Knights of Columbus Hall, Railroad Ave., Patchogue. A meting 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.

# Thursday, 2/26

# African Dance & Drum Circle

Noon, Berkner Hall Lobby. One of the BNL African-American Culture Club-Sponsored Black History Month events. Barbara Simpson, Ext. 7643.

# - WEEK OF 3/1 —

# Tuesday, March 2

# **Caring Friends Meet**

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

# Thursday, 3/4

# **Vegetarian Cooking Talk**

Deanne Brandstetter, nutrition specialist, of Flik International Corp., includes vegetarian lunch buffet. \$10/person, buy ticket from BNL Cafeteria cashiers.

# **BERA Bridge Club**

7 p.m., Brookhaven Center, South Room. Morris Strongson, Ext. 4192, mms@bnl.gov.

# WEEK OF 3/15 —

# Thursday, 3/18

# **Summer Camp Expo**

11:30 a.m.-1:30 p.m., Berkner Hall. Local Long Island summer camps will provide BNLers with information about summer camp opportunities, facilities, and registration information. Liz Gilbert, Ext. 2315.

Note: This calendar is updated continuously and will appear in the Bulletin whenever space permits. Submissions must be received by the preceding Friday at noon to appear in the following week's Bulletin. Enter information for each event in the order listed above (date, event name, description, and cost) and send it to bulletin@bnl.gov. Write "Bulletin Calendar" in the subject line.

# **Black History Month Event** Brown Reads His Poetry, 2/18

Bob Brown will be reading from his poems on February 18, noon-1 p.m. in Berkner Hall. Copies of his book and CD are available in the BERA store.

# **BSA Noon Recital** Music From Russia, 2/25

On Wednesday, February 25, at noon in Berkner Hall, Mazaika — Russian singer and accordion maestro Igor Outkine and stunning virtuoso violinist Sarah Harrison — will present a magical and exhilarating program of colorful music from the heart of Russia. They will perform pieces ranging from traditional Russian folk songs and romances to dazzling gypsy fiddle showpieces and thrilling gypsy songs.

All are welcome to BSA Noon Recitals, which are free and open to the public. Visitors of 16 and over must carry a photo ID.



Sarah Harrison and Igor Outkine

# **Experience the Toastmasters Tradition!** International Speech and Evaluation Contest, 2/17

All are invited to the next Toastmasters Club meeting, on Tuesday, February 17, at 5:30 p.m., when the club members will hold an international speech and evaluation contest. Refreshments, coffee and tea will be served. The event will take place in Room 160, Bldg. 463. For more information, contact Beth Lin, 344-3372, bylin@bnl.gov and visit www.bnl.gov/bera/ activities/toastmstrs/.

#### Wang (cont'd.)

and heroin show low brain dopamine activity, indicating that addiction is characterized by an under-stimulated reward system. The obesity study that Wang designed was recognized as innovative and technically challenging, and its results, also showing that obese people have activated mouth area function, were published in NeuroReport.

His research has also included brain imaging of effects of physical exercise, sex differences in drug effects, and drug cravings. Recently, he spearheaded a new study on aggression and violence.

With an MD from Kaihsiung Medical University, Taiwan, and a master's degree from The Johns Hopkins University. Wang joined BNL in 1990. Among his 145 peer-reviewed publications, he is first author on 31 articles since 1992. In addition, he serves as the responsible physician for the PET Imaging Program. His organizational skills have been a key element of the high productivity of the BNL PET Program.

# Zelenski

structure functions and the gluon contribution to proton spin using high-energy polarized proton collisions.

Zelenski's development of polarized sources is recognized worldwide. He received his Ph.D. in physics at the Moscow Institute for Nuclear Research, Russia, for developing one of the world's first optically pumped polarized sources.

Later, working at TRIUMF, Vancouver, he started on a new source for RHIC using KEK optically pumped source hardware at the suggestion of Y. Mori, KEK, Japan. He continued developing the source at BNL, joining the Lab in May 2000. In September, the source was used for RHIC spin commissioning and continued to operate very reliably under further development during the 2001-03 polarized runs.

Currently, Zelenski has a leading role in the successful construction of a polarized hydrogen jet polarimeter to measure the absolute polarization of the high-energy proton beams

# Wanted: Candidates For BERA Board

The BERA Executive Board has appointed a Nominating Committee to select four candidates to run for two positions on the BERA Board in elections scheduled for the last week in March. If you have a candidate to propose, make sure that the person will accept the nomination, then contact a committee member: Biays Bowerman, Environmental Sciences Department, Ext. 2946; Frank Dusek, Collider-Accelerator Department, Ext. 2022; April Gray, Fiscal, Ext. 2459; or Augie Hoffman, Physics Department, Ext. 3884.

## Classified Advertisements

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

MK2069. PHYSICIST (S-3) — Requires a Ph.D. in accelerator physics or related field and a minimum of 7 years' experience in one or more of the following areas: electron rings, energy-recovering linacs, or FELs. Position is with the Accelerator Division of the NSLS and the work will involve the R&D toward the future NSLS upgrade as well as the presently operating facility. Under the direction of J. Murphy, National Synchrotron Light Source Department.

MK2596. POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in condensed matter physics or related field. Experience in synchrotron radiation, electron spectroscopy, surface science, and correlated electron systems highly desirable. Will participate in a research program using highresolution photoemission to study the electronic structure and properties of correlated electron systems. Under the direction of P. Johnson, Physics Department.

MK4073. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in biophysics, biochemistry, or related field, and a strong background in structural biology. Outstanding candidates from physical sciences will also be considered. Experience with electron microscopy and computer programming for image processing desirable. The position involves structural study of macromolecular protein complexes by cryo-electron microscopy. Facilities include a Jeol 2010FasTEM, a Jeol1200EX, and SGI workstations and a full biochemistry lab. Under direction of H. Li, Biology Department.

MK4074. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in biochemistry or molecular biology. Previous experience with structural biology or electron microscopy is useful, but not essential. Candidate is expected to work independently. The project involves protein cloning, expression, purification, and characterization for structural and imaging study. The research group investigates the structure and cellular localization of membrane protein complexes and other macromolecular assemblies. Under direction of H. Li, Biology Department.

NS2736. EDUCATIONAL PROGRAM AD-MINISTRATOR (A-8) - Requires an advanced degree with undergraduate or graduate work in science, science education, or a related field, plus experience in teaching science at the undergraduate or pre-college level. Excellent oral and written communication skills are a must; experience in grant writing and proposal development along with knowledge of science education research and evaluation techniques is highly desirable. Web authoring skills are a plus. Will be responsible for directing and/or assisting in the management of new and existing BNL education programs for pre-college and college students, in-service and pre-service teachers, and university faculty. Will work independently and cooperatively with BNL scientific staff, local school districts, universities and colleges, and other science education funding institutions to develop and submit grant requests and proposals designed to expand the education programs in a manner consistent with BNL's institutional priorities and high visibility science initiatives. Office of Education Programs/CEGPA Directorate.

NS2738. ADMINISTRATIVE SERVICES ASSISTANT (A-2, term appointment) - Requires an AAS in secretarial science or equivalent, excellent oral and written communication skills, demonstrated organizational abilities, and proficiency with MS Word, Excel, Access and PowerPoint. The ability to work with quickly changing priorities and tight time deadlines is necessary. Experience working with students and/or personnel appointments and the Guest Information System is very desirable, as is knowledge of BNL web systems, IPAP and Peoplesoft HR and Financials. Will provide administrative/secretarial support to the OEP in handling workflow, making student program arrangements, organizing and maintaining records, arranging foreign and domestic travel, and undertaking other assignments as required. Office of Educational Programs/ CEGPA Directorate.

TB3173. SR. TECHNICAL SPECIALIST (T-3) - Requires an AAS degree in a related scientific or technical field or equivalent capabilities plus six years experience in electronics which includes bench testing and servicing of various types of modern electronics; formal training in electronics is desirable. Demonstrated ability to do multi-layer circuit board repair, including boards with Surface Mount Devices (SMD's) is required as is experience reading schematics and debugging a wide variety of electronic

circuits with minimal guidance from the design engineer. Responsibilities will include maintenance of a large system of switching power supplies designed and built at Brookhaven and the construction of prototype electronic boards, some with SMD components, as well as initiating and overseeing small production runs of specialized electronic boards and devices for the PHENIX detector. Physics Department.

## **Motor Vehicles & Supplies**

99 CHEVROLET EXPRESS - a/t, a/c, p/s, p/b, like new, rear cargo gate/bins, new alarm, 66K mi., \$10,000. Jill, Ext. 3173 or 207-0030. 99 SATURN SL2 - a/t, a/c, p/s, p/b, 72K mi., \$2,300. Chris, Ext. 3232.

98 FORD MUSTANG - 5,700 mi, green, 6cyl., transferrable ext. warr., am/fm/cd/tape, alarm, ask \$7,200. (917) 951-2579 cell.

98 FORD TAURUS SEDAN - a/t, a/c, p/s, p/b, p/w, grey, 4dr., new tires, mint cond., 67K mi., \$8,000. Judy, Ext. 5263 or 744-2545.

98 LINCOLN CONTINENTAL - a/t, a/c, p/s, p/b, p/w, leather, sunroof, heated seats, 6 CD changer, p/seats, 78K mi., \$8,950. Kevin, 744-275

97 FORD WINSTAR GL - a/t, a/c, p/s, p/b, p/w, 7 pass., dark green, dealer maintained, 85K mi., \$4,800. Ed, 653-4125.

96 - CAMRY - a/t, a/c, p/b, p/l, 4cyl., runs well, very reliable, new windshield, exhaust, struts, 186 K mi., \$3,950. Marty, 874-3478.

96 CHEVY BLAZER - a/t, a/c, p/s, p/b, p/w, 4x4, leather, tow pkg., CD, new tires. 110K mi., \$5,900. Nancy, Ext. 4303 or 878-5449.

95 CHEVY GEO PRISM - a/t, a/c, p/s, p/b, beige, 4dr., excel. cond. 105K mi., \$3,500. Ri, Ext. 5684 or 929-0953.

95 OLDSMOBILE AURORA - a/t, a/c, p/s, p/b, p/w, blk., w/blk leather, vgd., 1 owner, 70K mi., \$4,500 neg. Edward, 589-3992. 94 FORD CROWN VICTORIA LX - a/t, a/c,

p/s, p/b, p/w, am/fm/cass, huge trunk, smooth ride, 104,700 mi., \$2575. Peter, 271-5774.

a/c, p/s, p/b, p/w, ABS, traction, leather, 85K mi., \$3,975. Michael, Ext. 2960 or 281-2414. MANUALS - factory manual for 1997 Nissan Truck, Electrical Wiring Diag. for 1989 Toyota Camry, best offer for either. Jim, Ext. 8236.

TIRES - 4, 189-70-R.13 BW Euro Metric Radial, barely used, \$80. Victor, 929-5876, eves or leave msg.

### Furnishing & Appliances

REFRIGERATOR - s/s; stove, microwave and kitchen cabinets. Call for prices. Leroy, Ext. 5105 or 286-1615.

SIDE TABLE SET - Mirror-topped, black finish, excel. cond., set of 3, \$20. Vyacheslav, Ext. 5437

TABLE & WALL-UNIT - 3pc, blk. w/gold trim, 4 chairs, \$350. Diana, 399-3910.

TV STAND - Sony, fits up to 36" TV, model KV36FS100, when brand new sell for \$200, ask \$75. Mildred, Ext. 7433.

#### Tool, House & Garden

CHIPPER/SHREDDER/VAC - Troy-Bilt, 8 h.p., elec. start, new batt., 3.5: branch cap., leaf snout, more, \$800. Ext. 3454 or 878-3553. SNOW CHAMP BLOWER - Sunbeam, 3 h.p. 2-cycle gas 20" blade, throws snow 254-

SNOW CHAMP BLOWER - Sunbeam, 3 h.p., 2-cycle gas, 20" blade, throws snow 25+ft., runs well in cold, manual, \$135.751-0265. WINDOWS - 4 Anderson narrowline double hung, approx. 4½'x3''. Good shape. \$25 ea., Steve, Ext. 3822 or 929-6527.

WINDOW - brand new, Certaineed dbl. hung replacement, white, Thermopane, full screen, 32wx38h. Ext. 3239 or 472-9034.

#### Sports, Hobbies, & Pets

DOLLHOUSE - 50s Tin Marx dollhouse, vgd. cond., \$30. Ext. 3834.

PIANO - upright Kohler & Campbell, spruce Permatone sound board, tuned, bench, humidifer, \$700. Linda, Ext. 2733 or 395-6784. SKIS - Rossignol, 3 pairs, different lengths, all w/bindings & poles, excel cond., \$50-75/

ea., boots avail. also, Peter, Ext. 2913.

SOLOFLEX - attach. incl., leg exten. & butterfly, dip bar, free-wgt. adaptable, 405 lbs. weightscrap resist., \$400, like new. Ext. 2525.

#### Miscellaneous

MAPLE SYRUP - from my family's farm in VT. Peter - Ext. 7687.

MATTRESSES W/FRAMES - 2 twin sets + sheet sets, blankets & spreads, like new. Noreen, 697-3260.

#### **Car Pools**

Looking to join a car pool from the North Fork, Mattituck/Southhold/Greenport. Ed, Ext. 5360 or 477-8117.

Fourth person needed, for pool meeting in Westbury and Plainview, 8-4:30 shift. Ron, Ext. 6068.

#### Free

 $\ensuremath{\mathsf{BED}}$  - twin mattress & box spring. John, 821-2652.

DOG - in house, affectionate mixed breed female, six yrs. old, approx. 60 lbs., gd. health, excel. w/children. Doug, Ext. 7046.

DOG - adopt a great watch dog, loves children, German Shepherd mix, 2 yrs. old, needs good home. Denise, 205-5290.

TV-19' color, old, works well. John, Ext. 2667.

#### Yard & Garage Sales

MOVING SALE - furniture, tools, sports equipment & more, Feb. 21, 22, 28 & 29, call for directions & info. Mike 399-0925.

# Wanted

CAMERA - Minolta MD mount SLR 35mm camera body, auto exposure desired. Joseph, Ext. 4259.

CHESS PLAYERS - K-12, NYS Scholastic Chess Championship Feb. 28-29, SCCC, for info, www.greatknights.com or Joe, Ext. 4496.

# Valentine Dance Party Tonight, 2/13

Party tonight with the rock band "ACCENT" and DJ ballroom dance music at the dance sponsored by the BNL Social & Cultural Club and the BNL Ballroom Dance Club at the North Ballroom, Brookhaven Center. The public are invited. All visitors age 16 and over must present a picture ID at the main gate.

Tickets will be sold at the door only, at \$8 per person, which includes coffee and tea and a half-hour complimentary beginner hustle dance lesson at 7 p.m.; the band starts at 8 p.m.

For more information, contact Rudy Alforque, Ext. 4733 or rudy@bnl.gov, or John Millener, Ext. 3853 or millener@bnl.gov.

# **Parent Volunteers**

Parent volunteers are needed to help prepare for "Take Our Daughters and Sons to Work Day," which will be held on Thursday, April 22. Contact Susan Foster, Ext. 2888 or foster2 @bnl.gov for more information.

MINI-TRAMPOLINE - "exercise rebounder" wanted, \$20 or less, gd. cond. Kathy Ext. 3123 or 744-7661.

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

#### **Community Involvement**

LEUKEMIA AID - Anna Seda will cycle 100 miles on June 6 to benefit the Leukemia & Lymphoma Society. To help support this charity, contact Seda at aseda@bnl.gov or Ext. 7132. More details at www.teamin training.org/personalpages/page.adp?event\_id=121542& user\_id=161865.

CELL PHONES - Donate cell phones with AC/house chargers for seniors living alone. Village of Patchogue will program phones to let seniors call for emerg. assistance. Drop phones off at Berkner, Brookhaven Center, BNL Fire House. Or, package well, send via interoffice mail to Joe Perry, Bldg. 599. Contacts: Karen Adelwerth, Perry, Ext. 2350.

Ads omitted for lack of space will appear 2/27.

# CC - Happy Valentines Day. It's all good and getting better. George Bailey was right — It really can be a Wonderful Life. AML - Roy.

TO MY SWEETIE - I love you so much and I'm not going poof. From the joy of your life. KELLY, CASEY, KRISTEN, OK, AND OREO TOO! - Happy Valentine's Day. Love always, Daddy.

POOPSI, KK AND BOOBOO - the three best girls in the world. Love You, Peekie.

JOSEPH - LIFESGR8 sailing through life with you for 25 years! It doesn't get better than this! Love, DJ.

TO OUR SWEET BOOBOO - Larry, you are the light of our lives! we love you!!! Love Mommy and Daddy.

DEAREST MRS. ROTHSTEIN - thanks for making this cruise around the block, called life, a happier place. With much love. Your ES guy.

HAPPY V-DAY GOLDIE - Thanks for listening and being a good friend, 10 years! Love F.

I LOVE YOU KAT! - Moi.

ED - What an amazing year with my best friend! A beautiful new home, a fabulous family, a perfect proposal, and our baby created by our perfect love. I will be with you "forever and for always." "your fiance," Tammy xo.

HAPPY VALENTINE'S DAY - to the lady perfect for me, I love you, warts and all, Bunky.

TO LT - When I think of how we sleep at night, I long to hold you tight. I love your warmth, your smile, your touch; the way your eyes say so much. The fun we have when we're together is something I hope we'll share forever. So Happy Valentine's day my love. Love TT.

MR. RAIN - I cherish our friendship. You have my heart. I lost my sparkle without you. Please come back. Sunshine.

PPYNE - Twenty-seven years and still looking forward to more of "Only You." Love always, Me.

SIR S. OF P., Sweet mysteries of our lives have yet to be fully explored. As Ever, Your Lady P.

DADDY TO BE - I may be very small, but growing every day. The love I feel already will be treasured in every way. Love and kisses, baby sunshine.

DADDY - I love my daddy because he is so special. Love Dylan.

Roses are Red, Violets are blue, I love ED because he's so special to me. Love Alexis. TO MY THINNER OTHER HALF - you look better and better! Love . . . Your Man . . .

(TO MY) HONEY BUNNIE - I love you more than the stars shine. Please be my Valentine. IIY, Liam.

SQUONK - Longer than there've been stars up in the heavens, I've been in love with you. I am \*so\* blessed to have you! All my love, gr8gal.

DEAR HONEY - Only you. I love you with all my HEART and SOUL. Me.

TO MY 3 VALENTINES - I love you all mieces to pieces!! Love Mommy.

JUN - You are my Best Friend, my Sweetheart & my Loving Hubsand of 25 years, Happy Valentine's Day! Love You - SHA.

TO THE EMPRESS, Oooh baby baby! Love, the King.

"NL - You're still the one. Hope you will be my Valentine again this year! Love, BL." HAPPY VALENTINE'S DAY Buddy-Boy, Love, Buddy-Girl.

I love you with all my heart now and forever. Mike.

TO MY 3 VALENTINE'S - I love you all mieces to pieces! Love Mommy.

IT'S NOTTHAT I LOVE YOU LESS - for each day I love you more and more. Jesus is #1 in my life so second place will have to do for you. I'm counting on spending the rest of my life in love with the two of you...Love, #2. HOW LONG HAS IT BEEN? oh yeah, eight

years! Counting the days until 3/28/04! Love you. J.
DUCK DODGERS - I love you, Be Good,

DUCK DODGERS - I love you, Be Good, Love, Space Cadet.

THE SOUND of your voice makes me warm

all over, be my Valentine, RON. Love ya, Sally.

BUBBIE - THANKS for making me the happiest and most blessed woman in the world!

All my love, (your "BRIDE") forever, Ment. 2 B IN THE BVI's - with my 2 best girls. Happy Valentine's Day! DJ, LIFESGR8 25 Years

BIG GUY - Happy Wedding Anniversary on Valentine's Day. You will always be my knight in shining armor. I Luvm, LIL GUY.

MIKE, You're the best - Happy Valentine's Day. P.S. You too!!!!

MY BUDDY, I'm so happy that we are back together. May we always find warmth in each other. Love, You Know Who.

TO MRS. C: I wish you a happy Valentine's

Day, wish you pleasant dreams, and most of all wish you friendship.

DEAR SUGAR PLUM PIE, Princess Lotus and Killer Knee, You are the best - Love U Always.

TALKING PANTS loves Burning Wood now and forever. Happy Valentine's Day!

JONATHAN, It has been 4 1/2 years and I'm hoping for that day to make it forever. I Love

ALOHA - You make me feel like I'm in Paradise. I'll try and close doors, and shut off the lights. Love, WOOOO.

AMI - Happy Valentine and Birthday. Luv, Min. DEAREST JACKIE - I love you for so many reasons, both great and small, but most of all, I love you just because you're you. With all my love, Bruce.

LS - Just wanted to tell you my Love for you

gets stronger and stronger each day--PIZZA MAN.
HANDSOME PRINCE - I love you more than you could ever imagine. I am yours FOR-

EVER - Love Your Beautiful ANGLE.
STUART - Happy Valentine's Day - Channel
No.5, Luscious Lavender, intoxicating Dark
Vanilla, Obsession, Voluptuous Vanilla, white
diamonds. Magnolia.

TISH, this Valentine is very special to me. Let's share this day: Be My Valentine, GOMEZ.

To my 4&1: Happy Valentine's Day. You are all the bestest of the best! XO XO XO XO . Love, Mommy.

TO MY BEAUTIFUL - and loving soulmate, Donna Marie: you are my only Valentine I will ever want! Steven.

BB: How do I Love Thee? Let Me Count The Ways. It's all good baby!

WHAT IS LOVE? I say, "God's Gift." You are that Gift . . . and it is so much fun unwrapping you! R. Rocknbuck.

TO MY COUNTRYBUM - Looking forward

to riding off into the sunset with you. 143 forever! Me. YOU have blessed me with over 25 years of a wonderful marriage and two beautiful sons.

JEFF, I love you just as much today as I did when we met 29 years ago. Happy Valentine's Day, Mike.

Love always - AJS.

PAT - Not many new words this year, just that it's as good as ever — no, better. Luv, WM.

KATARINA LECKOVA - Simple expression. A Valentine for my Wife. Happily yours, Carl. SWEETIE, want you to know that my love and devotion to you grows stronger each day. I am a very lucky man. When's the date? :o) MY MAIN MAN - Any wife would consider herself lucky to share a blanket with you. I

love you with all my heart!! Vern.

CRAZY SISTERS - I am so glad that we have such a close bond. You are my best friends, I thank God for you. Happy V-Day, Love Tiff.

YING CHANG - For better or worse, I will love you and our baby with every beat of my heat - YU GANG TAN.

MY MARATHON WINNER, the love of my life and the best father ever, Happy Valentine's Day. Love Jude, Mason & Hayden. BEAUTIFUL EYES - WAYDTROYL? Want to share my future/log cabin with me? Love,

GLIDER GUY - You are truly a sight for "soar" eyes! Hugs and smoochies from your three cuddly ladies.

TO JOANN - "On this day of happiness Share my heart whenever you can rest." Love, WOODY.

TO MY PRINCE ALARMING - Let me whis-

per something soft & sweet in your ear: "Lemon Meringue Pie" — ZIM.

HoneyBear - You caught my eye . . . and the next thing I knew — you had my Heart

Too! Happy Valentine's Day! Babydoll.

To Lou & Joe: Thank you for always being the great parents you are & letting me know that I can achieve anything I want. Thank you

& I love you. Happy V-Day, Love Tiff.

"Everyone knows that BNL stands for BUZZ 'N Linda."

TO BULLETIN READERS - Happy Valentine's Day, may you all receive many chocolates!



You. Love, Your Bubbles.