

Bill Weng Elected IEEE Fellow

Wu-Tsung "Bill" Weng, head of BNL's Center for Accelerator Physics, has been elected a 2004 Fellow of the Institute of Electrical & Electronics Engineers, Inc. (IEEE).

The IEEE is a worldwide organization with more than 350,000 members, and the honor of being named a Fellow is reserved to no more than one-tenth percent of the total voting institute membership. Weng, cited for "leadership in particle accelerator development" is one of this year's 260 new IEEE Fellows.

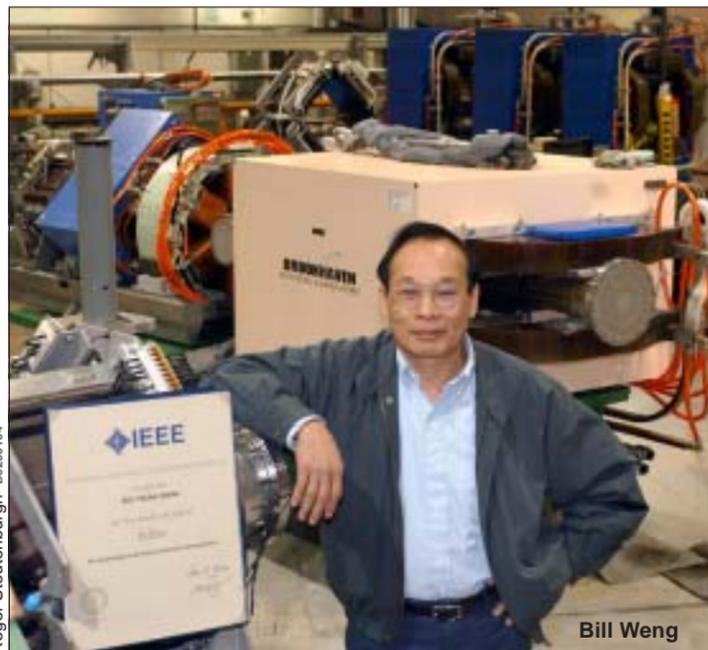
"I hope to continue to contribute to both accelerator research and the society's professional activities in the future."

— Bill Weng

to be completed by 2006, the SNS will provide the most intense pulsed neutron beams in the world for scientific research and industrial development.

As an active IEEE member, Weng was conference chair of the 1999 Particle Accelerator Conference in New York City,

which attracted over 1,300 researchers from around the world, and he is now a member of the committee that is organizing a similar conference in 2005 to be held in Knoxville, Tennessee. Also, from 1990 to 1993, Weng chaired IEEE's Particle



Bill Weng

"I am pleased to be recognized by my peers in IEEE," Weng said. "I hope to continue to contribute to both accelerator research and the society's professional activities in the future."

Weng was in charge of the \$32 million Accumulator-Booster project at BNL, 1987-91. Funded by DOE's Office of Science, the Booster is a particle accelerator that injects heavy ions into the Lab's Alternating Gradient Synchrotron (AGS), which, in turn, injects them into BNL's newest accelerator for nuclear physics research, the Relativistic Heavy Ion Collider.

Thanks to Weng's design and his leadership as head of BNL's Accelerator Division from 1991 to 1994, in 1995 the Booster increased the intensity of protons in the AGS to 70 trillion particles per pulse, which is still a world record. This increase in particle intensity is important for high-energy physicists because they need ever-larger numbers of protons for their experiments, such as the muon g-2 experiment, from which the latest results challenge the Standard Model theory of particle physics.

From 1996 to 2002, Weng worked on the design and construction of the \$120 million accumulator ring system for the Spallation Neutron Source (SNS), which is being built at DOE's Oak Ridge National Laboratory in Tennessee. Expected

Accelerator Science & Technology Committee, which, in conjunction with the American Physical Society's Division of Physics of Beam, cosponsors the biannual Particle Accelerator Conferences.

Weng earned a B.S. in electrical engineering from National Taiwan University in 1966; an M.S. in physics from National Tsing-Hua University, Taiwan, in 1968; and a Ph.D. in physics from Stony Brook University in 1974. He then took a post-doctoral position in nuclear physics at the University of Arizona, Tucson, from 1974 until 1977, when he joined BNL as an accelerator physicist. By 1980, he headed the Accelerator Physics Section of the Accelerator Department, then, in 1983, he moved to the Stanford Linear Accelerator Center. Weng returned to BNL in 1987 as a senior physicist, becoming head of the Center for Accelerator Physics in 2002. He frequently served as technical consultant in many DOE reviews of U.S. accelerator projects, and he also was a machine advisory committee member of various accelerator projects in Canada, China, Europe, and Japan.

Weng has been a Fellow of the American Physical Society since 1992, and he received the Y.T. Lee Foundation for the Advancement of Outstanding Scholarship Award in 1995, in Taiwan. — Diane Greenberg

BNL Employees Recognized

At the BNL Employee Recognition Award Ceremony on Monday, February 2, 14 BNL employees were rewarded for their talent and dedication. The winners of the awards will be featured in future Bulletins. They are:

Science & Technology Award Recipients

Robert Bari
Energy Sciences & Technology Department
Louis DiMauro
Chemistry Department
Jan Hrbek
Chemistry Department
Gene-Jack Wang
Medical Department
Anatoli Zelenski
Collider-Accelerator Department

Engineering Award Recipients

Stephen Boose
Physics Department
Carl Czajkowski
Energy Sciences & Technology Department
Phillip Kuczewski
Physics Department
Swapna Mukherji
Plant Engineering Division
Joseph Tuozzolo
Collider-Accelerator Department

Brookhaven Award Recipients

Michael Clancy
Environmental Services & Waste Management Division
April Gray
Fiscal Services Division
William Gunther
Life Sciences Directorate
Edward Lessard
Collider-Accelerator Department

Coming Up

Carl 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.

A Better Electron Accelerator

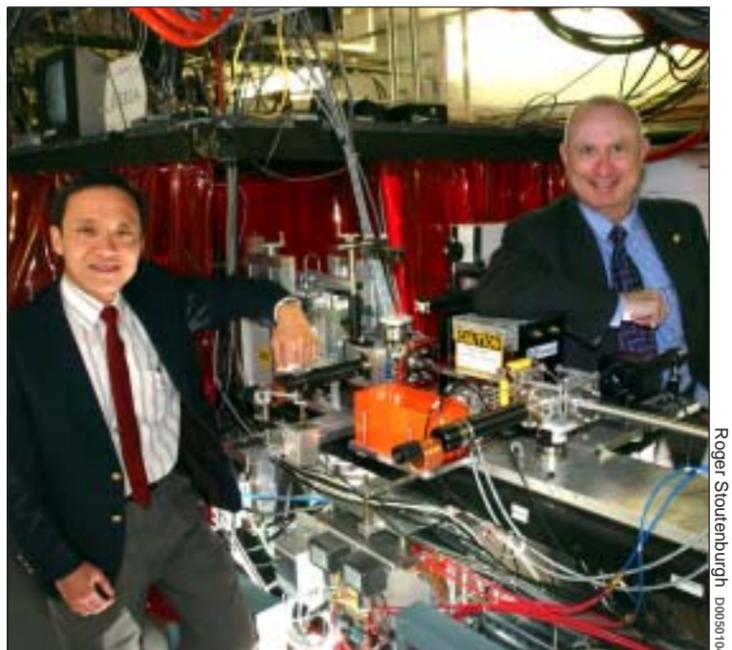
Ilan Ben-Zvi, Collider-Accelerator Department and BNL's Accelerator Test Facility (ATF) Director, has led a team to help develop a compact linear accelerator at the ATF that uses laser light to accelerate electrons with better efficiency and energy characteristics than ever before. The device, called Staged Electron Laser Acceleration (STELLA), is a step forward in accelerator development, and may help electron accelerators become practical tools for applications in industry and medicine, such as radiation therapy for cancer patients.

Electron accelerators use the motion of high-speed electrons for many applications, such as producing x-ray and ultraviolet light. These linear accelerators (linacs) transfer microwave ra-

much smaller and more affordable in the future.

"Laser accelerators hold significant future promise for compact, powerful accelerators, but we have a lot to learn until we can use them with the same dexterity as conventional machines," said Ben-Zvi. "The achievement of STELLA is that it carried out functions that, before this date, could only be done by conventional linacs."

Physicist Wayne Kimura, STELLA's lead scientist and the Vice President of Research and Development for STI Optronics, Inc., a research company in Bellevue, Washington, agreed, saying, "STELLA's success has helped bring the dream of creating a practical laser-driven accelerator closer to reality. We have achieved a key step on the



Working on STELLA are Wayne Kimura, STI Optronics, Inc. (left) and BNL's Ilan Ben Zvi. Not pictured are BNL team members Marcus Babzien, Karl Kusche, Igor Pogorelsky, and Vitaly Yakimenko.

radiation energy to electrons, causing them to accelerate down a long, straight pipe. But reaching high energies can be difficult with linacs because the electrons receive only small bursts of energy at a time and are accelerated in several steps. This makes high-energy linacs up to several kilometers in length that are very expensive.

In contrast, over a distance of a third of a

meter, STELLA, which uses laser light rather than microwaves, improved the "step" method to achieve an energy gain that would have required a longer standard linac. STELLA also overcame some of the challenges of using laser-driven linacs, such as making the electrons as equal in energy as possible and keeping them tightly bunched together. These characteristics are vital to producing a high-quality beam. While laser linacs still need substantial development, STELLA's success suggests that linacs could be

road to a new acceleration technology, but there are still many challenges ahead before we reach that goal."

STELLA's task, according to Kimura, is similar to "accelerating" a herd of sheep from one

"Laser accelerators hold significant future promise for compact, powerful accelerators, but we have a lot to learn until we can use them with the same dexterity as conventional machines."

— Ilan Ben Zvi

corral to another. If the sheep are moving at different speeds in a long line, some are left behind when the rear gate closes and the front gate opens. After

moving through several corrals, the herd would diminish. But if the sheep move in a cluster, most will make it to the last corral. STELLA was able to keep the entire "herd" together better than has been done in any prior experiment.

Funded by DOE's Office of High Energy Physics within the Office of Science, the STELLA collaboration includes researchers at STI Optronics, Inc., BNL, the University of California at Los Angeles, Stanford University, and the University of Washington.

— Laura Mgrdichian

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 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 —

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 or rusek@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/toastmasters/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. Christine Carter, Ext. 2873.

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 Millner, 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.

BNL VIPs Attend 2003 Service Award Reception

On December 10, BNL held the 2003 Service Award Reception in Berkner Hall. Lab Director Praveen Chaudhari warmly congratulated the 224 VIP employees who had been invited, including 104 BNLers with 25 years of service, 22 who had worked at the Lab for 30 years, 13 with 35 years to their credit, 55 who had been BNLers for between 36-39 years, nine who had been at the Lab for 40 years, and 18 who had served BNL for between 41 to 44 years. The stars of the evening's celebrations were John Sondericker of the Magnet Division, distinguished by 45 years of service to the Lab, and George Dioguardo of the Procurement & Property Management Division and Leonard Newman of the Environmental Sciences Department who both joined the Lab 46 years ago.



Roger Stoutenburgh D0480103

Editor's Note: Why are the service award buttons — and photos — depicted on the inside of a jacket? At the Service Awards Reception in 2001, noticing that Lab photographer Roger Stoutenburgh was about to take his photo, 44-year awardee Lenny Newman spontaneously opened his jacket, inside which he had pinned his collection of his anniversary buttons. The resulting photo was so much appreciated that it was repeated at the 2003 reception (see above, top right). Then Lab photographer Joseph Rubino had the bright idea of placing Stoutenburgh's photos of attendees at this reception to resemble the buttons inside the jacket.

Long Island Weather of 2003

Two Blizzards, Third Wettest Year on Record at BNL

Remember the blizzards of 2003? The first dumped 21 inches of snow at BNL between February 16 and 18, and the second brought 20 inches on December 5 and 6.

"While the blizzard of 1978 brought a record 23 inches of snow, the February and December 2003 snowfalls are the second and third largest snow events ever recorded at the Lab, and the winter of 2002-03 was the fifth snowiest winter in 56 years," said BNL's meteorologist Victor Cassella. The Lab has recorded snowfalls since it was founded in 1947 and weather statistics since 1949.

The yearly precipitation for 2003 was 63.11 inches, which made it the third wettest year on record at the Lab. The wettest year was 1989, with 68.66 inches of precipitation, and 1983 is second wettest with 63.84 inches. June brought a drenching 12.28 inches of rain, making it a runner-up to June 1982, which brought 12.85 inches of rain.

While some 21 tropical storms and hurricanes brewed up in the Atlantic Ocean, no hurricanes hit Long Island in 2003. Local meteorologists kept a close eye on Hurricane Isabel in September, but it hit land in North Carolina. Long Island only got one-quarter inch of rain as a result of Isabel.

The average yearly temperature for 2003 was 50.8°F, just 0.7° above the overall average for the past 56 years. The year brought five new high daily temperatures and one new low daily temperature, which occurred in March, June and November. The record low temperature of 4.5°F was set on March 7, beating the record of 8° F set in 1978. Just ten days later, the year's most dramatic new high was set on Saint Patrick's Day, when the temperature soared to 72°F, eleven degrees higher than the previous high of 61°F for that day. Also, August was the hottest on record with an average monthly temperature of 74.6°F,



even though no daily temperatures were broken during the month. The previous high monthly temperature for August was 74.3°F, set in 2001.

Cassella's weather prediction for 2003 was on target, since he had foreseen a cooler and wetter spring than usual, and more snow than rain in the winter months. Early in January 2004, he said, "We've generally been

Valentine's Eve Dance Party, 2/13

On Friday, February 13, the rock band "ACCENT" will perform at the North Ballroom at the Brookhaven Center for a Valentine's Eve Dance Party jointly sponsored by the BNL Social & Cultural Club and the BNL Ballroom Dance Club. The event is open to the public. All visitors age 16 and over must present a picture ID at the main gate.

The ACCENT band plays an assortment of '60s, '70s, and other popular tunes for disco, free style, and hustle dancing. In between sets, however, the DJ will play ballroom and Latin dance music for everyone to enjoy. If you like to dance, or simply socialize, don't miss this party!

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.

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.

Arrivals & Departures

Arrivals

Matthew Cuttler ITD
Stephane Grenier Physics
Venkatarami Reddy Biology
Lisa Soto ITD
Eli Sutter CFN
Peter Sutter CFN

Departures

Harold Cubillos ITD
Joel Errante C-A
Fritz Heistermann C-A
R. Jefferson Porter Physics

February is Black History Month

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

Additional events commemorating Black History Month are included in the Bulletin's Weekly Calendar.



**And they have! We did! We will! (Editor's Note)*

BNL Daughter Is Intel Science Finalist

Maria Michta, one of the seven Long Island finalists out of 40 in the Intel Science Talent Search, is the daughter of Richard Michta of the National Synchrotron Light Source Department. Maria, 17, who attends Sachem North High School in Lake Ronkonkoma, designed an antenna system to detect meteor ionization trails via reflected radio waves. To do this, she built a three-element yagi antenna optimized for gain, frequency, and selectivity, attached it to a VHF radio receiver, and designed a data reduction algorithm to run on her computer. She validated her detection method by comparing her data to International Meteor Organization data and believes that her method might also be used to ensure the quality of artificial satellites in space.

Said her father, "As a family, we share a real interest in astronomy. We all, including my wife, Susan, and Maria's brother Ricky and sisters Kristie and Katie, enjoy using telescopes to observe the planets and watch annual meteor showers. Maria saw the Perseid and Leonid meteor showers a few years back when she was in ninth grade. Soon afterwards, while reading a book about radio astronomy, she learned about a technique that amateur radio operators

Note: If anyone knows of other Intel finalists related to BNL employees, or who did part of their research work at BNL, or with a BNL mentor, then contact the Bulletin: Ext. 2346 or bulletin@bnl.gov.



Maria Michta

use called meteor-scatter communications, and got the idea of adapting that method to detecting meteors. It took her several months to develop her project initially, and she has been refining it and collecting data ever since. It was great that it won her an Intel finalist place."

Maria's talent and interests are not confined to earth and space science: she is the national race-walking champion in her age group, and also won tenth place in the world at this sport. As well as planning to attend the University of Connecticut after graduating, she hopes to represent the United States in race walking in the 2008 and 2012 Olympic Games.

— Liz Seubert

What's On at ESOL

Monday English Class

The English for Speakers of Other Languages (ESOL) Program will hold classes on Monday nights, 7-8:30 p.m., that will focus on "test of English for foreign learners" (TOEFL) preparation, but will include other lesson topics. To register, or for more information, contact Jennifer Lynch, Ext. 4894 or esol@bnl.gov. The full ESOL schedule of classes is at www.bnl.gov/esol/schedule.htm.

Volunteers Needed for Writing Center, 3/11

BNL's English for Speakers of Other Languages (ESOL) Program will hold a meeting on Thursday, March 11, noon-1 p.m. in Berkner Hall, Room B, with a view to starting a writing center to help international scientists write publishable scientific papers. All are welcome to come and discuss their ideas. Bring lunch: cookies, tea and coffee will be provided. Native English speakers who would like to help proofread and offer editing suggestions to those producing BNL scientific papers, or non-native English speakers doing research at the Lab who would like to have their papers proofread may contact Jennifer Lynch, ESOL Program Coordinator, Ext. 4894 or esol@bnl.gov.

ESOL Valentine's Day Party, 2/12

The English for Speakers of Other Languages program invites all to a Valentine's Day party, Thursday, February 12, 1-2:30 p.m. in the Recreation Hall, Bldg. 317, in the apartment area.

The program will include card-making, music, games, chocolate, and chat! All are welcome

Retirement Counseling

A TIAA-CREF representative will visit BNL today, Friday, February 6, but also on Friday, February 13, and Tuesday, February 24, to answer employees' questions regarding the TIAA-CREF retirement plan, such as TIAA and CREF differences, allocating funds between TIAA and CREF, options, flexibilities with TIAA-CREF, and retirement options. For a 45-minute appointment, call Valerie James, (800) 842-2733, Ext. 7980 (not the on-site Ext. 7980).

Reimbursement Account Deadline

According to the Internal Revenue Service, contributions to health care or dependent day care accounts not used by the end of the year will be forfeited. So, do not forget to use up balances within all 2003 reimbursement accounts by claiming expenses incurred in 2003. To do so, submit claim forms by March 31.

Give Life: Blood Drive, 2/13

To replenish Long Island's blood supply, BNL is holding a blood drive on Friday, February 13, from 9:30 a.m. to 3 p.m. in the Brookhaven Center.

Those eligible to donate are people in good health between the ages of 17 and 75 who weigh at least 110 pounds. Donors should have photo identification and know their social security number.

To make an appointment, contact Susan Foster at Ext. 2888, or e-mail donateblood@bnl.gov. In your message, include your name, phone extension, and preferred time to donate.



Noon Recital, 2/11

Baritone Lanzrein, Pianist Kimwill Perform Love Songs by Beethoven, Schumann

In Berkner Hall on Wednesday, February 11, the love songs of Beethoven's cycle "An die ferne Geliebte" and Schumann's "Dichterliebe," sung by baritone Valentin Lanzrein accompanied by pianist Wonmin Kimwill will set the mood for Valentine's Day. All are welcome to attend this next BSA Noon Recital.

Both Lanzrein and Kimwill are internationally known performers. In addition to Lanzrein's many awards, he won the *Association des Suisse Musiciens & Kiefer Hablitzel Stiftung* competition. He tours extensively, taking major operatic roles as well as solo roles in Bach Cantatas.

Pianist Wonmin Kim started her performance career at age 12 in Korea. Her first prizes include the Korean Youth Chamber Music competition, the Orpheus Recital Competition in Switzerland, the Korean Daily News Piano Competition and the Yewon Piano Competition. Among her honors are the Vladimir Horowitz Award, the David Garvey Scholarship, and the P. & A. Shaffer Scholarship.

The public is invited to this free event; visitors of ages 16 and over must carry a photo ID.



Hospitality Committee's Valentine 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 by the Committee. Children are welcome to attend provided that they have parental supervision.

For more information, contact Monique de la Beij, 399-7656.

The Mentalist, 3/19

Gerry McCambridge will perform his well-known nightclub act, demonstrating his uncanny ability to read people's actions and determine their innermost thoughts, at BNL on Friday, March 19, at 7:30 p.m. in Berkner Hall. Tickets cost \$10 at the BERA Store. Doors open at 6:30 p.m. and there will be a cash bar and limited snacks. For more information, contact Christine Carter, Ext. 5090.

Pilates Classes Begin

BNL offers a new Pilates class beginning on Friday, February 13, and running for eight consecutive weeks on Friday mornings from 7 to 8 a.m. in the gym at a cost of \$80 for eight weeks. Advanced registration is required. Send checks, payable to BERA, to Christine Carter, Bldg. 179B. For more information, contact Carter at Ext. 5090.



Calendar

(continued)

— TODAY —

Friday, 2/6

Black History Month Video Show

12:10 p.m., Berkner Hall. Title to be announced. BNL African-American Culture Club sponsored Black History Month event. Barbara Simpson, Ext. 7643.

*Dance at a Cha-Cha Workshop

6:30 p.m. North Ballroom, Brookhaven Center. BNL Social & Cultural Club sponsors a cha-cha workshop, 6:30-9 p.m., taught by Giny Rae, BNL Ballroom Dance Club instructor. The cost of \$8 includes two hours of general dancing to DJ music after the lessons. Rudy Alforque, Ext. 4733, rudy@bnl.gov. See notice on page 4.

— NEXT WEEK —

Wednesday, 2/11

*Noon Recital

Noon, Berkner Hall. Valentin Lanzrein and Wonmin Kim perform love songs by Beethoven and Schumann. All are welcome. See notice at left.

Black History Brain Quiz

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

Rifle & Pistol Club Meeting

Noon, Conference Room, Bldg. 535. All are welcome. Jim Durnan, Ext. 8236, duman@bnl.gov, or www.bnl.gov/bera/activities/rpc/.

Thursday, 2/12

Blues Session

Noon, Berkner Hall. Blues session features Doug "Harmonica" McClean. BNL African-American Culture Club-sponsored Black History Month event. Barbara Simpson, Ext. 7643.

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 2.

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

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.

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 and "The Gathering of the Slides II" Tickets cost \$20 in advance, \$30 at the door. See announcement on page 4.

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.

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.

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



The 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 moved to Lafayette, Louisiana, as a child and started his own band when he was about 13 years old. Since then, he has played at venues throughout the nation, from California to Vermont. Landreth's recording called "The Road We're On," from Sugar Hill Records, has been nominated for a Grammy Award for the best contemporary blues album of 2003. The February concert at BNL marks Landreth's only Long Island appearance on his current tour.

In addition to Landreth, guest artists include the Kerry Kearney Band and Little Toby Walker. The Kerry Kearney Band's sold-out performance at the Lab last winter had the audience cheering for more. Whether performing at the Riverhead Blues Festival, at BNL, or at a small club, slide guitarist Kearney and his band bring down the house. Kearney's band includes Eileen "Little Steamroller" Murphy on drums, Frank Celenze on bass, and Tony Campo on keyboards.

A native Long Islander and winner of the 2002 Memphis International Blues Challenge Award, Little Toby Walker draws his inspiration from blues, folk, ragtime and country.

A gifted guitarist and storyteller, Walker's typical musical performance is interspersed with his humorous commentary. An artist endorsed by the Martin Guitar Company and National Resophonic Guitars, Walker plays a 1930 steel guitar.

Tickets for the show cost \$20 in advance or \$30 at the door on the day of the show. They may be purchased at the BERA Sales Office on weekdays, 9 a.m.-3 p.m.; at the Blue Point Brewing Company in Patchogue; Mr. Beery's Bar in Bethpage; or by calling the BNL Music Club at 631 344-3846; or the Long Island Blues Society at 631 467-4156. The BNL Music Club requests that each audience member bring a nonperishable food item to the concert for the Laboratory's food drive, which benefits local food pantries.

Eric Forsyth to Show Film at Brookhaven Lab About His Sailing Adventures, 3/4

Eric Forsyth, a retired senior electrical engineer from BNL, will present a one-hour sailing video, featuring highlights from his recent circumnavigation of the world aboard his 42-foot yacht Fiona, on Thursday, March 4, at noon in Berkner Hall.

During his presentation, sponsored by the Brookhaven Retired Employees Association, Forsyth will tell the story of how he followed the routes of the old clipper ships that were used before the opening of the Suez and Panama Canals.

This was Forsyth's second circumnaviga-

tion made since 1995. He has also sailed to the High Arctic and the Antarctic. For this latter cruise he was awarded the 2000 Blue Water Medal by the Cruising Club of America. This medal has been awarded annually since 1929 to an amateur sailor from any country for "a meritorious example of seamanship and adventure."

More details of the cruise are available at <http://www.yachtfiona.com>.

This video presentation is free and open to the public. All visitors to the Laboratory age 16 and over must bring a photo ID.

— John Galvin



Send a Love Note to Your Valentine Deadline Extended to Monday, 2/9

Is there a special message you'd like to send to your valentine? Are you looking for a valentine? You can have your Valentine's Day message printed in The Bulletin on February 13.

Send your 15-to-20 word "love note" to The Bulletin, Bldg. 134, by Monday, February 9. If you use paper, use a Sales & Notices Bulletin classified ad form, but mark it "Valentine's Day." If you use the forms on the web, use the form for "Miscellaneous," and mark it "Valentine's Day" at the beginning of the message. You must sign your name and include your life number and extension, but your name will not be printed unless it is clearly part of the message. Copy must be deemed tasteful. All "love notes" will be accepted at The Bulletin's discretion. Only one message per employee please.



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.

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates.

MK4088. POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in inorganic or organic chemistry. Experience in handling air-sensitive complexes and NMR spectroscopy is desirable. Research involves synthetic, kinetic, and mechanistic aspects of organometallic chemistry and homogeneous catalysis, the development of new homogeneous catalysts, and the synthesis and characterization of new organometallic complexes. Under the direction of M. Bullock, Chemistry Department.

MK2822. POSTDOCTORAL RESEARCH ASSOCIATE (reposting) – Requires a Ph.D. in biology or biochemistry. Desired experience includes: TEM and cryoEM operation, programming (Fortran, C), Fourier transforms, image reconstruction, biology, biochemistry, and protein structures. Research involves gold nanoparticle labels which will be developed to target genetic tags on ex-

pressed proteins for identification of subunits and alignment for image processing of cryoelectron micrographs. Four areas will be coordinated: 1) Chemical design and synthesis of specialized gold nanoparticles, 2) genetic expression of tagged proteins, 3) cryoEM using JEOL 2010F 200keV field emission with 2k CCD and STEM attachment and 4) 3-D image reconstruction. Position will emphasize preparing cryo-EM samples, using the TEM to collect data, performing computer image analysis and reconstructions, and developing some specialized software. Under the direction of J. Hainfeld, Biology Department.

TB4087. CHEMISTRY ASSOCIATE III (P-3, term appointment) – Requires a bachelor's degree in a physical science, master's degree desired and experience with VME and CAMAC data acquisition systems. Will help design and build a VME based data acquisition system to collect data from the tomograph and process the data for image reconstruction. Responsibilities will include helping with the assembly and configuration of the hardware and writing software for acquiring and analyzing data. Some knowledge of image processing is desirable. Chemistry Department.

TB3472. MEDICAL ASSOCIATE IV (P-1, term appointment) – Requires a bachelor's degree in a related discipline plus practical experience with peptide synthesis, HPLC, and working with radioisotopes. Responsible for assisting with a project using radiolabeled oligonucleotide derivatives to image cellular mRNA *in vivo*. Medical Department.

Motor Vehicles & Supplies

00 MAZDA MILLENIA - a/t, a/c, p/s, p/b, p/w, fully loaded, pwr. moonroof, heated seats, 60K mi., ask \$10,000. Greg, Ext. 4548 or 874-8631.

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, 744-2725.

96 FORD TAURUS - all power, red, 135K mi., \$1,900. John, 929-3024.

86 CHEVY VAN CARGO - mech. perfect, 60K orig. mi., \$600. Roy, Ext. 6392 or 433-9833.

86 FORD ESCORT - 147K mi., runs well, \$600. Ext. 2364.

SERVICE MANUALS - 1997 Nissan Truck & electrical wiring diag. for 1989 Toyota Camry, best offer for either, Jim, Ext. 8236.

Boats & Marine Supplies

22' CRUISERS INC. BARNEGIT - '87 CHEVY 350 I/O, rebuilt w/trailer, new parts, mint cond., \$7,000. Paula, 516-798-2599 or 516-860-9339.

'93 BAYLINER TROPHY - w/cuddy cabin, 2-150hp, Merls Venture, 64-roller trailer, loaded, v. clean, \$29,950. Vinnie, 475-6961.

Furnishings & Appliances

BATHROOM FIXTURES - new, Americh A-4236-ST base white, \$375; Amer. Standard White sink/toilet, \$265 + free Slantfin Baseboard & Tarkett flooring, all pieces, \$750. Gail, Ext. 2874.

BEDROOM - 7 pc., nautical carvings, rock maple, full bed frame, \$500. Robert, 744-1206.

BEDROOM FURNITURE - boy's solid oak desk w/hutch, dresser, headboard, night table, \$475. excel. cond., Kathleen, Ext. 2113 or 298-5345.

CAPTAIN'S BED - solid ash twin, 4-drawer, 1 cubby, excel. cond., \$500. Michael, 379-7387.

CAPTAIN'S BEDS - 2 twin size, Stanley furn., storage drawers underneath, made v. well, mint cond., \$450/both. Angela, Ext. 5169.

COFFEE TABLE - round glass top w/metal base, excel. cond., can e-mail picture, ask \$100. Barbara, Ext. 4458.

DINING ROOM SET & COFFEE TABLE - 40 yr. old Broyhill table, 2 leaves, buffet, china cabinet, 6 chairs, table pads, \$300; coffee tables, 3ft. sq. lr table, glass & wood top, end table to match, excel. cond., \$50/both. Vic, 585-2084.

DINING ROOM SET & WOOD BURNING STOVE - 72" table w/8 chairs, white w/natural wood top, ask., \$145; Atlantic freestanding, airtight, wood stove. Joann, Ext. 7459.

REFRIGERATOR - GE Profile 23.7 cu. ft. frost free, excel. cond., \$200. Celeste, 878-4356.

RECLINER W/OTTOMAN - tan leather, great for dorm/apt. or home, excel. cond., Joseph, 981-7719.

CHINA CABINET - oak, lighted china/hutch cabinet, 4 yrs. old, gd. cond., e-mail pics. avail., \$975. Donna, Ext. 2826 or 475-3478.

REFRIGERATOR - GE Profile 23.7 cu. ft. frost free, excel. cond., \$200. Celeste, 878-4356.

SOFABED & LOVESEAT - Jennifer Convertible, full size, light gray w/pastel colored lines, excel. cond., \$500. Nancy, 277-1197.

STACKING CHAIRS - 8, metal & green vinyl dining size, \$50, David, Ext. 473-2473.

STEREO STAND - Emerson, 24"x24", 5 shelves, wheels, \$45; GE True Temp digital, white wall oven, best offer. Barbara, Ext. 2585.

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

WASHER/DRYER - GE, 3 yrs. old, gd. cond., ask., \$450/set. Veronica, 654-5474.

BEDROOM SET - queen bed w/box spring; 6' dresser w/vanity mirror; 2 drawer stand, can e-mail photo, \$350. Doug, Ext. 4393.

COMPUTER DESK - oak w/sliding keybrd. mount, Alison, Ext. 8367.

DRYER - Roper, XL capacity, electric. Greg, Ext. 7810.

GLIDER ROCKER & CHEST - Whitewash solid wood rocker & 4 drawer chest, green cushioning on wide back rocker, both mint cond., \$300/both. Angela, Ext. 5169.

RADIAL ARM SAW - Craftsman 10" w/rolling base, \$250. Rolf, Ext. 2305.

Sports, Hobbies & Pets

AIR HOCKEY TABLE - almost new, \$170. Warren, Ext. 2080 or 751-5245.

SOLOFLEX WHOLE BODY WORK OUT MACHINE - all attachments, 250 lbs of resistance, \$250/obo. Gary, 864-8119.

TICKETS - 3, "Sesame Street Live", 2/16 at 2 p.m., at MSG in NYC, \$15/ea. Chen, Ext. 4213.

PIANO - upright Kohler & Campbell piano, spruce Permatone sound board, excel. cond., tuned w/bench & humidifier, \$700. Linda, Ext. 2733 or 395-6784.

Audio, Video & Computers

COMPUTER - Dell, 1.1Ghz CPU, 20Gb HD, 256Mb RAM, CDRW, Zip Dr., 17" mon., spkrs., \$375. Don, Ext. 7237 or 929-6571.

COMPUTER - Packard Bell, 120 mhz, 1337 mb hd, 16mb ram, cd, color monitor, all access. Canon color printer, software, boxes, etc. Paul, Ext. 5829 or 289-9152.

PRINTER - HP Laserjet III, works well, extra toner cartridges, \$15. John, Ext. 4028.

UBS HUB - 4 ports, super slim, credit card size, never used, \$15. Sheng, Ext. 8401.

Dance the Cha-Cha! Workshop Tonight, 2/6

Tonight, Friday, February 6, the BNL Social & Cultural Club is sponsoring a cha-cha workshop, 6:30 to 9 p.m. at the North Ballroom, Brookhaven Center. It will be taught by Giny Rae, the dance instructor of the BNL Ballroom Dance Club on Wednesday nights, who has been teaching dance classes at BNL for about ten years. The workshop will start from basics and go up to a higher level depending on the response and aptitude of attendees.

The workshop costs \$8 per person, including two hours of general dancing to DJ music after the lessons. Contact Rudy Alforque, Ext. 4733 or rudy@bnl.gov.

BERA Board Nominees

A committee is being formed to select nominees for the 2004 BERA Board. Contact John McCaffrey, mccaffrey@bnl.gov or Christine Carter, Ext. 5090, if you are interested in being on the nominating committee or on the BERA Board.

Parent Volunteers

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

Wanted: Life Guards

Certified life guards, 18 and older, are needed for the BNL pool. Shifts are available June 28-August 27. Call Christine Carter, Ext. 2873.

Miscellaneous

COAL STOVE - Surdiac stove, Model Gotha 713, 60K Btu, 17,600 cu ft., gd cond., \$275/obo. Susan, Ext. 3492 or 734-2593.

CORDESS PHONE - 900 MHz w/ans. machine w/2nd handset, \$50; Scorpion & Avallanche radio rem-contr. cars w/chargers, batteries, \$35/ea. Alison, Ext., 8367.

LEATHER JACKET - lady's, med., blk., waist length, fringed, 3M Thinsulate removable liner, excel. cond., hardly worn, \$75. Joseph, 744-5344.

SHREDDER - Chipper, electric, unused, \$95; microwave/convection oven, great cond., \$50. Joe, Ext. 3783 or 929-8321.

SLEDS - 2 Flying Arrows, 46", 1 Flexible Flyer, 53", 2 Snow Slider skis, 47", all gd. cond., all, \$125; Sunbeam Snow Champ Blower, 3 hp, 2 cycle gas, 20" blade, throws snow 25+ ft., vg. cond., leaks a little, runs well, orig. manual, \$135. George, 751-0265.

UNIQUE PIÑATAS - all occasions & characters, cartoon, Disney Sesame Street. Donna, 821-0359.

Lost & Found

LOST - 2 sets of keys, one a few months ago, sm. piston on key ring, another last wk. w/NYSC tag red/white. Mike, Ext. 3430.

Wanted

LEGO-DUPLO - Lego toys to build school project. Kumi, Ext. 7734 or 218-0050.

NORDIC TRACK - in gd. working cond. Yonda, Ext. 5562.

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

SKIERS - to ski Jiminy Peak, Feb. 23rd, \$35/bus & lift; Hunter Mountain, Mar. 10, \$52/bus & lift. Augie Hoffman, Ext. 3884 or send pymt. to Bldg. 510A.

TOY TRAINS - looking to buy old Lionel, Amer. Flyer, others any cond. highest prices pd. Marion, 281-5667.

Use the Phone

It's snowing . . . Want to know if the Lab is open?

Dial 344-INFO (4636)