

DOE Office of Science Director Orbach, BNL Director Paul Welcome U.S. Representative Timothy Bishop to BNL

They also met with facility-users

whose findings about human

papillomavirus may lead to

drugs to prevent cervical cancer.

STAR detector.

At their next stop, the Rela-

n Monday, December 30, Raymond Orbach, the Director of DOE's Office of Science, journeyed to BNL to meet with U.S. Representative Timothy Bishop, the newly elected First District Congressman, who was visiting the Lab for the first time. The visitors, who included Office of Science advisor Todd Harding and Congressional staffer Lee Leshen, were welcomed by Peter Paul, BNL Interim Director, and Michael Holland, Manager of DOE's Brookhaven Area Office (BAO). Highlights of Bishop's brief

tour of the Lab included a stop at the National Synchrotron Light Source (NSLS). Doon Gibbs, Interim Associate Laboratory Director for Basic Energy Sciences, and NSLS Chair Steven Dierker explained a proposed NSLS upgrade, which will dramatically improve the capabilities available to the approximately 2,500 researchers from scientific institutions and industry who use the NSLS for their research each year. They also discussed plans for the new BNL Center for Functional Nanomaterials, for which Secretary of

Energy Spencer Abraham announced DOE approval when he visited the Lab last June 14.

Bishop, who was sworn in on Tuesday, January 7, and Orbach then visited the staff on the NSLS experimental floor and saw research results on osteoarthritis

and the make-U.S. Representative Timothy Bishop at BNL's up of newly formed bone.



At the DOE Brookhaven Area Office on December 30 are: (from left) Peter Paul, BNL Interim Director, Timothy Bishop, then U.S. Representative-elect; Raymond Orbach, Director of DOE's Office of Science; Michael Holland, Manager of the DOE Brookhaven Area Office.

translate, and store RHIC collision events with thousands of tracks and make them available to about 1,000 users simultaneously.

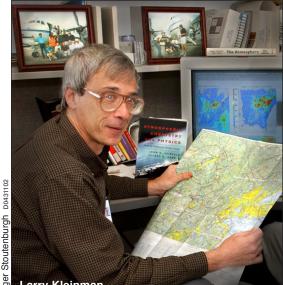
tivistic Heavy Ion Collider The tour ended with an (RHIC), the visitors heard from Tim Hallman of the Physics overview of Department about the world's BNL's pioneermost energetic heavy-ion reacing neuro-imtions which are recreating conaging research ditions that existed in the first on the brain few microseconds of the unichemistry of verse, and they saw collision addiction, events recorded with the huge mental illness, and ag-Bruce Gibbard, Physics, ing, from Nora who directs the RHIC Comput-Volkow, Assoing Facility, described the techciate Laboranical effort needed to accept, tory Director

for Life Sciences. David Schlver, Chemistry Department, also explained some recent research that includes imaging of awake - Liz Seubert animals.



Researcher Lisa Miller, National Synchrotron Light Source Department, and Raymond Orbach, Director of DOE's Office of Science.

379th Brookhaven Lecture Texas-Sized Ozone Problem



National Synchrotron Light Source.

Study, one of the most comprehensive air -pollution studies ever conducted, funded by DOE, the U.S. Environmental Protection Agency, the Texas Natural Resource Conservation Commission, and other agencies.

This research story, published in the May 15, 2002, issue of Geophysical Research Letters and highlighted in the June 10, 2002, Chemical & Engineering News, will be discussed by lead author Larry Kleinman of the Environmental Sciences Department's (ESD) Atmospheric Sciences Division in the next Brookhaven Lecture, "Why Does Houston Have a Texas-Size zone Problem?" The talk will

Five BNL Scientists Awarded Tenure

Brookhaven Science Associates (BSA) has recently granted tenure to five BNL scientists: G. Lawrence Carr, National Synchrotron Light Source Department; Arokiasamy J. Francis, Environmental Sciences Department (ESD); George Hendrey, ESD; Alexei Tsvelik, Physics Department; Raju Venugopolann, Physics. Each of these scientists is being featured in The Bulletin, starting with Carr last December 13 and continuing this week with Francis.

A.J. Francis, Environmental Sciences Department

etting rid of toxic metals and radio-Jactive waste in an environmentally safe and economical way is no easy task, but Microbiologist A.J. Francis, Environmental Sciences Department (ESD), has developed safe, environmentally friendly, novel treatment methods for remediation of these wastes by using naturally occurring bacteria, citric acid, and sunlight.

In fact, Francis holds four patents with colleagues in microbiological remediation, and he developed a method to remove lead and toxic metals from municipal solid waste incinerator ash and lead paint-contaminated soils.

recognized for his scientific accomplishments in the U.S. and internationally." Wirick also praised Francis as an excellent supervisor and mentor.

Francis received his B.Sc. in agriculture in 1963 and his M.Sc. in soil microbiology in 1965 from Annamalai University, India. He earned his Ph.D. in microbiology from Cornell University in 1971, and he remained at Cornell as a research associate, 1970-73. He then joined Stanford Research Institute for two years as a microbiologist before he came to BNL in 1975 as an assistant microbiologist. He was promoted to associate microbiologist in 1977 and was named a microbiologist in 1980. – Diane Greenberg

zone, an unstable form of oxygen, acts as both friend and foe to life on Earth. On the plus side, ozone absorbs the sun's ultraviolet rays, making the atmosphere safer for living creatures on Earth. But air containing high levels of ozone is harmful to breathe, becoming a menace to public health.

Ozone occurs naturally in the stratosphere, 20 or more kilometers above Earth's surface, where it acts as a shield for ultraviolet radiation. However, most ozone in the lower atmosphere is formed when emissions of chemicals such as nitrogen oxides and volatile organic compounds from automobiles, power plants, and other industrial sources react with sunlight. Thus, ozone pollution is greatest in urban areas, where more people are clustered.

To get a better understanding of how ozone is produced and how to control it, BNL scientists and other researchers from more than 40 institutions participated in the Texas 2000 Air Quality

be given on Wednesday, Janu-

ary 15, at 4 p.m. in Berkner Hall, when Kleinman will be introduced by ESD Chair Creighton Wirick.

As Kleinman will describe, the researchers used the DOE Gulfstream-1 aircraft with specially designed instruments to gather air samples from over Houston, Nashville, New York City, Philadelphia, and Phoenix. They then measured the concentrations of chemicals to find the rate of ozone production in different areas. Kleinman will explain the study's results: the highest ozone production levels are found in the petrochemical-rich Houston Ship Canal area.

Chemist Larry Kleinman earned his Ph.D. in chemistry at Yale University in 1971 and joined BNL in 1976. His research interests focus on atmospheric photochemistry.

Refreshments will be offered before and after the lecture. To accompany the lecturer to dinner at a restaurant off site after the lecture, call Barbara Roland, Ext. 3275. Liz Seubert

Francis was awarded tenure for his contributions to the understanding of the interactions of microorganisms with toxic

metals and ra-

dionuclides in contaminated

soils and other

wastes, and for

developing

novel treat-

ments for the

remediation of mixed wastes,

contaminated

soils, and other

Creighton Wirick said,

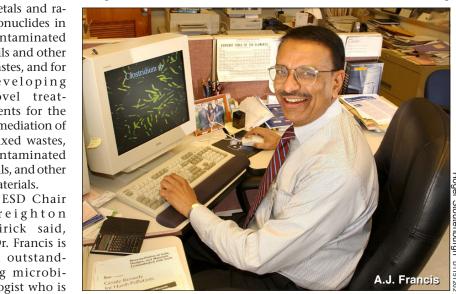
"Dr. Francis is

an outstand-

ing microbi-

ologist who is

materials.



January 10, 2003

Calendar

of Laboratory Events

- The BERA Sales Office is located in Berkner Hall and is open weekdays from 9 a.m. to 3 p.m. For more information on BERA events, contact Andrea Dehler, Ext. 3347; or M. Kay Dellimore, Ext. 2873.
- Additional information for Hospitality Committee events can be found at the Lollipop House and the laundry in the apartment area.
- The Recreation Building (Rec. Bldg.) is located in the apartment area
- Contact names are provided for most events for more informa
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

– EACH WEEK –

Weekdays: Free English 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.

Mondays: BNL Gospel Choir

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

Mon., Tues., & Thurs.: Kickboxing

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

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

Noon- 12:45 p.m., Brookhaven Center North Room. Adam Rusek, Ext. 5830 or rusek@bnl.gov. Mondays: BNL Dance Club Ballroom,

Latin & Swing Practice

5:30-7 p.m. North Ballroom, Brookhaven Cen-ter, except Lab holidays. Jean Logan, an@bnl.gov or Ext. 4391

Tuesdays: Welcome Coffee

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

Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846. **Tuesdays: BNL Dance Club Individual**

& Couples instruction

5-11 p.m. North Ballroom, Brookhaven Center. Ron Ondrovic, ondrovic@bnl.gov or Ext. 4553.

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

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

Tuesdays & Thursdays: Aqua Aerobics 5:15-6:15 p.m., \$2 pool fee per class or use pool pass. Mary Wood, Ext 5923.

Wednesdays: On-Site Play Group 10 a.m.-noon. Rec. Bldg. A infant/toddler dropin event. Parents meet while children play.

Svetlana Agafonova, 205-5065 Wednesdays: Weight Watchers

Noon-1 p.m., Brookhaven Center South Room. Mary Wood, Ext. 5923, wood2@bnl.gov.

Wednesdays: Yoga Practice Noon-1 p.m., Brookhaven Ctr. Free. Ila Campbell, Ext. 2206.

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

Wednesdays: Exercise 101

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

Wednesdays: Dance Club Group Lessons 5-9 p.m. North Ballroom, Brookhaven Center. Marsha Belford, belford@bnl. gov or Ext. 5053. **Thursdays: Science Discussion Group** 12:30-1:30 p.m., Berkner Hall. Patrice Pages, Ext. 3270, pages@bnl.go

Thursdays: Singles Club

12:30-1:30 p.m., Berkner Hall. Contact: Jean, Ext. 4391, Patrick, Ext. 3270. Fridays: Family Swim Night 5-8 p.m. at the BNL Pool. \$5 per family.

Fridays: BNL Social & Cultural Club 8-11:30 p.m., Brookhaven Ctr., social. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

An associate physicist in the Collider-Accelerator Department, Drees learned blacksmithing while she was a student majoring in high-energy physics at the University of Wuppertal in Germany. "While I was going to college, I was a volunteer counselor in a community project at a horse farm to help disadvantaged children," she explained. "A blacksmith at the farm taught me the trade. I grew to like blacksmithing very much, and I went on to work in a blacksmith shop to support myself during my last four years in college."

Happy Ending

ook, isn't that a dog!" exclaimed Carlee Ogeka to her colleague Bob Metz as they drove through the rain on the afternoon of December 26 along the east portion of the Lab site.

Ogeka and Metz, both of the Environmental Services Division, were checking the monitoring stations along the Lab's eastern firebreak.

Metz stopped the truck, and the little brown dog paused nearby, but ran away at Ogeka's approach. "For a while we followed him, but every time I got out, he ran off," said Ogeka. "We could see a tag around his neck, so we knew he was not a wild dog."

After Ogeka had made three attempts to catch the dog without alarming him, Metz got out to help. "The dog ran under the truck. Eventually, Carlee got him out and we had him safe," said Metz. "Then, the problem was finding his owner."

After having no luck in their door-to-door search along the

Angelika Drees (see picture above right).

Angelika Drees: Physicist, Blacksmith Few people can claim to be blacksmithing. It takes strength and skill to heat an iron and hold it with a forceps while hammering it out to fit the horse's hooves. Also, you have to know how to calm the horse, which doesn't at

egy, and decided to become a scientist, believing that she could then accompany the astronauts to the moon. Later, after hearing of the doomed Challenger mission, Drees changed collider," she said. her mind about moon voyaging. Still, astronomy and questions on how the universe was made intrigued her, and that interest spurred her on to be educated as a physicist. Drees earned a master's degree in physics from the University of Wuppertal in 1992. She then worked at CERN, the European Organization for Nuclear Research, near Geneva, Switzerland, where she worked on a project that earned her a 1997 Ph.D. in physics. "I studied the influence of local trains on the beam energy of the large electron-positron collider at CERN," Drees explained. "The high-speed trains that ran nearby leaked electrical current into the ground and disturbed the magnets in the collider. We had to account for that in our high-precision measurements."

rainfall on the collider's magnets. "If it rained a lot, Geneva Lake became very full and tilted the ground, which affected the particle orbits in the

Looking for the next exciting project in physics, Drees joined BNL in 1997 as a research associate in the Relativistic Heavy Ion Collider (RHIC) Project, where she worked on luminosity monitoring and beam instrumentation during the construction of RHIC. In 1999, Drees was promoted to assistant physicist, and joined the Collider-Accelerator Department. In 2001, she became an associate physicist. Currently, Drees works as a commissioner at RHIC, where she investigates ways to make the collider more efficient. She is also a member of the pp2pp team doing polarized proton elastic scattering experiments at RHIC. "I love having the opportunity to work on both experiments and accelerator problems," she says. Right now, there is no talk of going back to blacksmithing. -Diane Greenberg



BNL's Carlee Ogeka, Robert Metz, and Sergeant Louis Figueroa hold up the January 1 Newsday article showing the Guinta boys with their dogs.

houses at the southeast corner of the Lab, Metz and Ogeka were starting among the north side when they thought of calling the BNL police. "Just in case they had heard of a missing dog," said Ogeka.

And that was beginning of the happy ending.

Earlier that afternoon, at the front desk in BNL's Police Headquarters, Sergeant Louis Figueroa of BNL's Safeguards & Security Division had received a

call about a lost Pomeranian. Teresa Guinta, one of whose sons' two dogs was lost, told Figueroa that the dog, called Bear, had run off into the woods near the Lab two days before, and that her sons were heartbroken. They were afraid that Bear might not survive the freezing weather.

"I told her to have faith, because small dogs can be pretty tough," said Figueroa, who has a Pomeranian himself.

BWIS Holds High School Career Day

bout 45 female students comed the students, and BWIS from four local high schools learned firsthand about careers in science and related fields from BNL women employees at a career day in November coordinated by Brookhaven Women in Science (BWIS) and funded by Brookhaven Science Associates. The career day at BNL featured panel presentations by women in various scientific and technical fields, including physics, chemistry, engineering, environmental sciences, and science writing; a site tour; and a visit to the BNL Science Museum.

The students came from East Islip High School and the Hewlett School in East Islip, and Eastport-South Manor and Westhampton Beach High Schools.

Louise Hanson, a retired Community, Education, Government & Public Affairs employee (CEGPA) and current research collaborator in the Chemistry Department, wel-

smith, but one woman at BNL

has acquired both these skills:

formation Technology Division, gave them an overview of BWIS. **BWIS Board Member Stephanie** LaMontagne, Collider-Accelerator (C-A) Department, coordinated the career day and introduced the volunteer panel speakers. Cathy Wehrmann, Human Resources Division, gave the students a presentation on career planning.

The panelists were: Diane Cabelli, Chemistry Department; Sally Dawson, Physics Department; Angelika Drees, C-A; Beth Lin, Biology Department; Judy Lloyd, State University of New York, Old Westbury, and a research collaborator in the Environmental Sciences Department (ESD) at BNL; Kathleen McIntyre, Radiological Control Division; Linda Nunnermacker, ESD; Anne Reuter, C-A; Carol Scarlett, Physics; Karen Mc-Nulty Walsh, CEGPA; and Patricia Williams, Facilities & Operations Directorate.

After enjoying a complimentary lunch, the students were taken on a site tour led by CEGPA's Barbara Blenn and Ieanne Petschauer. Gail Donaghue, CEGPA, led the students

BNL Science Museum.

 Diane Greenberg ruary 4.



Tia Beck, Westhampton Beach High School; and Nicole Boldoc and

Asheleigh Perry (seated), the Hewlett School.

When Ogeka called with the news of the dog, "I told her that by finding this animal, she and Bob were about to answer a family's prayer," Figueroa said.

Metz and Ogeka drove Bear to HQ. "He was in pretty good shape, not too wet," said Ogeka. "He probably had found shelter in an open pipe, which must have kept off the worst of the weather."

At HQ, Bear shared turkey sandwiches with Figueroa while the latter telephoned the Guintas. The family was out, but upon their return, they found four messages from BNL to say that their pet was fine and that they could pick him up until 11 p.m., when Figueroa would take him home for the night.

However, "At 9:50 p.m. Mrs. Guinta called HQ and was ecstatic that we had found the dog," reported Figueroa. "Now here is the best part: the priceless look on Mrs. Guinta's face when she came to HQ and I walked out with that pup. We all felt great. I am glad that the story ended well."

Liz Seubert

through an interactive visit to the

BWIS is planning a similar career day for students from different high schools on Feb-

Coordinator Kathy Hauser, In-

Saturdays: BNL Dance Club Monthly Ballroom Dance Social

8-11:30 p.m. Ballroom, Latin & swing dancing, North Ballroom, Brookhaven Center. 1/25. 2/15, 3/15, 4/12, 5/17. Marsha Belford, belford@ bnl.gov or Ext. 5053.

- THIS WEEKEND -

Friday, 1/10

GLOBE Meeting

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

– WEEK OF 1/13 –

Tuesday, 1/14

Fidelity Investment

A Fidelity Investment representative will be at the Lab next Tuesday, January 14, to hold sessions with individual employees interested in learning more about their retirement-savings and investment options. Schedule one of the 45-minute appointments by calling (800) 642-7131.

In fact, Drees liked blacksmithing so much that she had a hard time deciding whether she should be a blacksmith or a physicist.

"Both physics and blacksmithing are challenging," Drees said. "Physics, of course, is intellectually challenging, but I used body and hands in mv

all like nails being hammered into its hooves."

Drees found that blacksmithing can be a dangerous job. At a blacksmithing show in a market in Germany, a horse Drees was working on pulled its leg down as she was hammering in a nail, and the nail went right through her hand, practically slicing it in half. Fortunately, she fully recovered from the accident, which did not dampen her enthusiasm for the trade. She still occasionally practices it for fun when she visits Germany.

As a teenager growing up in Germany, Drees wanted to be an astronaut. "Shortly after hearing about the success of the Apollo 11 mission, I wanted to go to the moon," she said, "but my father said there were no women astronauts. Of course, at the time. there weren't."

Drees then changed her strat-

Drees also studied the effects of the moon, tides, and

The Bulletin

BNL Researchers, County, Civic Leaders Meet to Discuss Addiction Issues

Last December 13, BNL partnered with the Suffolk Coalition to Prevent Alcohol and Drug Dependencies, Inc., and the Quality Consortium of Suffolk County to host a presentation made by the Chemistry Department's Joanna Fowler on BNL's addiction research. The event was also supported by a grant from the Association of Alcohol and Substance Abuse Providers of New York State. The underlying aim of the meeting was to increase communication between BNL addiction researchers and local substance-abuse professionals who are interested in finding out how their prevention, education and treatment practices might benefit from research findings, Participants praised Fowler for her team's research and expressed support for communicating their findings to a wider audience, particularly to policy makers.



Among meeting attendees are: (from left) John Carter, Director of Community Affairs, U.S. DOE Brookhaven Area Office; Barbara Keller, Executive Director of the Suffolk Coalition to Prevent Alcohol & Drug Dependencies, Inc.; Fowler; Thomas MacGilvray, Director of Suffolk County's Division of Community Mental Hygiene Services; and Kathleen Ayers-Lanzillotta, of Catholic Charities and President of the Quality Consortium of Suffolk County.

Optician

Robert Stone,

provider of

BNL's safety

glasses for the

past 15 years,

died last De-

In Memoriam



cember 14. After receiving his optician's license from New York City Technical College, Stone joined the Opticians' Society in 1979 and played an active role in the Society's growth. In 1998, he chartered the Suffolk Chapter of the New York State Society of Opticians (NYSSO), and, in 1999, he was elected by more than 1,200 colleagues as NYSSO Optician of the Year. In addition to his work at BNL, Stone was the owner and president of Danesi Opticians, Centereach, and Daymond D. Leahy Opticians, Southampton. He also served as an adjunct lecturer in the Ophthalmic Dispensing Department at Suffolk Community College.

Stone is survived by his wife, Laurie, and children Rick and Debbie. After an interval of a few weeks, Laurie Stone will reopen the BNL Safety Glass Office as its dispenser.

Arrivals & Departures

Arrivals	
Andrew Burrill	C-A
John Carter	. Central Shops
Jorge Galarraga	C-A
Alexander Garnov	Chemistry
Christopher Hollowell	Physics
Seogjoo Jang	Chemistry
Jo Ann Lawton	Fiscal
Sangmoon Park	Physics
Phillip Servio	ES&T
Miomir Vukmirovic	Mat. Sci.
Xianqin Wang	Chemistry

Departures

Deputates	
C-A	
ES	
C-A	
Biology	
NNS	
PPM	
C-A	
Physics	
Biology	
C-A	
NSLS	
Magnet	
Physics	
Physics	

Safety Glass Office

The Safety Glass Office is temporarily closed. If you have glasses already ordered, then call Deborah Botts Keating, Procurement & Property Management Division, Ext. 3888, to discuss the status of your order.

See New Solar-Powered Crossing Lights

On the recommendation of the Lab's Traffic Safety Committee, the Plant Engineering (PE) Division has installed new flashing crosswalk signals on Upton Road near the dorms, to

remind drivers to slow down and watch for pedestrians.

"These are no ordinary units, however," says Jim Wright, a PE electrical design engineer. "The flashing lights are powered by the south-facing solar panels above them, which charge batteries located in each controller. The batteries are sized to store power for the flashers for 14 days."

Wright explains that the solar-powered crossing lights not only make it safer for pedestrians to cross Upton Road, but also add the benefits of free power and significantly lower installation costs.



Morningside Duo, 1/15

Next Wednesday, January 15, at noon in Berkner Hall, the Morningside Duo will present the next noon recital. The duo consists of clarinetist Ann Lavin and pianist Jean Schneider.

The program will include works by Brahms, Gershwin, Scriabin, Berg, and Verdi.

Noon recitals are free and open to the public. Visitors, ages 16 and over, must bring photo I.D. to enter the Lab. Bring your lunch and come and go as you please. For more information, visit http://music.bnl.gov.



Start Exercising!

All are invited to join any of the following get-fit classes, which will be held in the Recreation Hall in the apartment area, at \$4 per class or \$35 for a set of ten classes. To register, or for more information, call Pat Flood, Ext. 7886 or Sue Monteleone, Ext. 7235. • Aerobics: done with either low or high impact, some stretch and strength exercises included. Tuesdays and Thursdays, 5:20-6:30 p.m. • Exercise 101: an easy beginner class consisting of stretch, low impact aerobics, and light free-weights exercises. Wednesdays, 5:15-6:15 p.m.



Live After-Hours ITD Customer Support

After-hours calls for immediate ITD help will now be answered live. Instituted as a follow-up to the ITD customer survey, this enhanced customer service will be provided 5:30 p.m.-8 a.m., Monday-Friday, and all day Saturday, Sunday, and Lab holidays.

Now, ITD customers with crucial hardware, software, or networking problems will be asked to hang up and dial 1-800-900-1250. That is the toll-free number of Decision One, an offsite computer-support center. After obtaining the pertinent information, Decision One staff will route the issue so that it can be resolved in a timely manner.

ITD customers who call Ext. 5522 after hours with a non-crucial problem will still be able to leave a voice-mail message so that an ITD help desk analyst can respond to the issue the next business day. The ITD help desk is open 8 a.m.-5:30 p.m. and can be reached via Ext. 5522 or itdhelp@bnl.gov. Emails to the help desk are only answered during the usual business hours.

For more information about the ITD help desk or its new after-hours service, contact Marty Gormezano, ITD Customer Support Manager, at gormezano@ bnl.gov or Ext. 3418.

BERA Activities

BERA activities are open to all employees, visitors, and guests. All

are welcome. To see where the ac-

tion is, pick up a flyer from the

BERA Sales Office, Berkner Hall,

Catch the bus to Camelback

Mountain in Pennsylvania, on

Wednesday, January 29, and

Wednesday, February 26, at \$50

per person. See calendar, above

right, for details.

open weekdays, 9 a.m.-3 p.m.

Ski Trips, 1/29 and 2/26

Calendar

(continued)

Wednesday, 1/15

*Noon Recital

Noon, Berkner Hall, Morningside Duo play clarinet, piano. See notice, page 3. **379th Brookhaven Lecture**

4 p.m., Berkner Hall. Larry Kleinman will talk on ozone pollution in Houston, Texas, and elsewhere. See page 1.

Thursday, 1/16

BAC Meeting

12:30-1 p.m. Brookhaven Advocacy Council Meeting, Open Session. For the meeting's location, contact Mike Loftus, Ext. 4200. For more information on the BAC, visit www.bnl.gov/bac.

– WEEK OF 1/20 –

Wednesday, 1/22

Science Education Forum

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

Thursday, 1/23

Wyndham Wind Watch Hotel Demo

10 a.m.-2 p.m., Berkner Hall. A representative from Wyndham Wind Watch Hotels will be on site to talk about Wyndham's features and amenities and to answer BNLers's questions. There will also be a raffle for a Herman Miller - Aeron chair. For more information, visit www.wyndhamwindwatch.com.

Saturday, 1/25

Defensive Driving

9 a.m.-3:30 p.m., Berkner Hall, Room B. Open to BNL, BSA, & DOE employees, BNL facility users, guests, and their families. To register, send a check for \$26 per person, made out to Empire Safety Council, care of Scott Zambelli, P.O. Box 670, Mount Sinai, NY 11766. Include your telephone number. All checks must be received by 1/20. No refunds after 11/23.

— WEEK OF 1/27 —

Wednesday, 1/29 (and 2/26)

BERA Ski Trip to Camelback

\$50 per person includes lift tickets and bus transportation to Camelback Mountain in Pennsylvania. Ski rentals are available for an additional \$16, and snowboard rental for \$23. A first time skier package is available at \$60 and includes restricted lift ticket, equipment rental, and an hour and a half lesson. Bus departs the Brookhaven Center at 5:30 a.m. and returns at approximately 8 p.m. Sign up immediately at the BERA Sales Office in Berkner Hall weekdays from 9 a.m. to 3 p.m. For more information, contact Andrea Dehler, Ext. 3347; Bob Marascia, Ext. 7779; or Christine Carter, Ext. 2873.

— WEEK OF 2/3 —

Wednesday, 2/5

Science Education Forum

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

Make Nominations for Goldhaber Prize

Brookhaven Women in Science (BWIS) is now accepting nominations for the 2003 Gertrude S. Goldhaber Prize. This award honors the late Gertrude Scharff-Goldhaber, the renowned nuclear physicist who, in 1950, became the first woman Ph.D. appointed to BNL's staff. She was also a founding member of BWIS.

The winner of the \$1,000 award will be a female graduate student in physics, who will be recognized for her substantial promise and accomplishment. She will be expected to give a seminar on her work at the award ceremony in the spring. To be eligible, she must be an enrolled physics graduate student who is a candidate for a doctoral degree, but not to be graduated with that degree before spring 2003. She must either be enrolled at Stony Brook University (SBU) or performing her thesis research at BNL.

Nominations may be made by BNL staff and SBU's Physics Department faculty, before February 15. For more information or to obtain the form, contact BWIS Goldhaber Prize, P.O. Box 183, Upton, NY 11972-5000 or Vinita Ghosh, Ext. 6226, ghoshvj@bnl.gov.

CAN YOU SPARE A CAN? The BNL Food Drive needs more donations.

Retiree Address List

From this year onward, the retiree address list will not be distributed in paper form; it is available in electronic form only. The cost of printing and distribution is one factor in this decision, but, more importantly, the printed list has been used for solicitation by financial services, insurance companies, and other sales organizations — a problem for many retirees. The PDF list, which is posted on the internal BNL Web page at http://130.199.76.90/retiree/retireeslist.asp, will continue to be updated by Joyce Wund of the Human Resources (HR) Division. Retirees may verify addresses of friends and colleagues by contacting Wund, Bldg. 185, or (631) 344-7516. Wund will screen calls to ensure that information is given only to Lab retirees.

— WEEK OF 2/17 —

Wednesday, 2/19

Science Education Forum

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

Thursday, 2/20

BSA Distinguishtd Lecture

4 p.m., Berkner Hall. Author Carl Safina, Blue Ocean Institute President, will talk on "World Fisheries: Depletion and Renewal." All are welcome to attend this free public lecture.

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

Volunteers Needed For DOE Science Bowl

olunteers are needed to serve as officials (moderator, scientific judge, rules judge, timer, and score keeper) at BNL's Regional Science Bowl competition, which will be held Saturday, February 1, at the Science Education Center. Approximately 80 volunteers are needed. Anyone, including BNL employees, DOE contractors, family members, and friends, is welcome to volunteer.

The Science Bowl competition challenges high school students from New York in round-robin competition format followed by a double-elimination final tournament. Teams of high school students compete in a "Jeopardy" style question and answer format. The winning team will advance to the National Science Bowl competition held May 1-5.

For BNL's Regional Science Bowl, volunteers are needed to serve as:

- Moderators (scientific background preferred): reads the questions to the teams
- Scientific judges (scientific background required): works with moderator to ensure questions are read correctly, resolves challenges to the questions from the teams in their area of scientific expertise
- Rules judges: ensures the rules of the game are enforced
- Timers: keeps time for each match (two 8-minute halves)
- Scorekeepers: maintains accurate scoring throughout each match (upper middle and high school students may also volunteer) Score runners (middle and high school students welcome as well):
- bring the score sheets and used questions to Science Bowl Central (Science Education Center) after each match
- Science Bowl Central personnel: sign teams in and provide them with nametags, map of BNL campus; provide information to parents and visitors, keep scores of all matches; and maintain the competition boards.

To volunteer, contact Kevin Manning, Ext. 5536, or kmanning@bnl.gov. Information about the BNL Regional Science Bowl can be found at www.bnl.gov/scied/contests/ sciencebowl/index.html.

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. NS2648. MANAGER, DIVERSITY OFFICE (M-1, ERAP eligible \$1K) - Requires a bachelor's degree in public or business administration, human resources management or a related field (MS/MBA preferred), management experience in the field of diversity recruitment/advocacy or human resources, demonstrated success in hiring under-represented candidates into technical and/or scientific positions, experience in formulating and administering AA/EEO plans, and extensive experience and/or training in the handling and successful resolution of discrimination problems. ManMK2601. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in physics, biophysics or biochemistry and experience with x-ray diffraction or small angle scattering. Experience with antimicrobial peptides and lipids or liquid crystals is desirable. Research will involve membrane biophysics using single-layered and multilayered membranes. Under the direction of R. Pindak, National Synchrotron Light

systems and transport in quantum dots and

disordered quantum dots. Under the direc-

tion of A. Tsvelik. Physics Department.

Source Department. MK2762. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in materials science or closely related field and advanced and applied knowledge of nonequilibrium materials processing routes, such as mechanical alloying or rapid solidification by melt-spinning and gas atomization. In addition, proficiency in standard materials characterization techniques such as electron microscopy and x-ray diffraction is necessary, as is knowledge of magnetic characterization techniques, analyses and interpretation, and excellent oral and written communication skills are required. Research will involve creating a foundation to expand and extend the currently existing basic energy science core program in advanced magnetic materials to encompass general magnetic nanomaterials. Under the direction of L. Lewis, Materials Science Department.

TB2633. CONTRACT SPECIALIST (A-6) - Requires a BA in business administration or equivalent experience plus 3 years' directly related experience. Must have knowledge of Federal Acquisition Regulation for cost-type and fixed-price contracts and experience with procurement of electronic and electrical equipment. Must be well versed in all aspects of procurement in a government contract environment including drafting RFPs, proposal evaluation, cost and price analysis, negotiation, draft-ing of contracts and modifications, and contract administration. Experience in teaming with technical requestors and guality assurance personnel in a scientific or high tech environment is highly desirable. Familiarity with Microsoft Word and Excel is preferred. Responsibilities will be to obtain desired equipment and services through contractual agreements. Procurement & Property Management Division. TB2634, SR. CONTRACT SPECIALIST (A-7) - Requires a BA in business administration or equivalent experience plus five years' directly related experience. MBA is desirable. Must have knowledge of Federal Acquisition Regulations for cost-type and fixed-price contracts and experience with procurement of high-tech and electronic equipment. Must be well versed in all aspects of procurement in a government environment including drafting RFP's, proposal evaluation, cost and price analysis, negotiation, drafting of contracts and modifications. Experience in teaming with technical requestors and guality assurance personnel in a scientific or high-tech environment is highly desirable. Familiarity with Microsoft Word and Excel is preferred Will be responsible for obtaining desired equipment and services through contractual agreements with minimal supervision. In addition, will be responsible for contract admin-

Motor Vehicles & Supplies

97 HYUNDAI ACCENT - 5-spd., sunroof, am/ fm 10 disc changer, 106K mi., excel. cond., \$2,500. Phil, Ext. 4584.

96 VOLKSWAGON GOLF GL - green, a/t, a/c, p/s, alarm, 92K mi., alarm, \$5,000. Rich, Ext. 7013 or 698-5294.

95 SATURN SL2 - blue green, 5-spd., a/c, p/ s, p/w, ABS., good cond., \$2,900. Celeste, Ext. 4980 or 727-5646.

94 FORD TAURUS LX - all power, 94K mi., car currently not running, blown head gasket, otherwise okay., make offer. Kathy, Ext. 3832.

94 HONDA CIVIC DX - 2-dr., coupe, 5-spd., 145K mi., a/c, new tires, excel. mech. cond. clean interior, some dings, reliable, \$2,650. Henry, Ext. 3413.

93 KAWASAKI KX 500 - many new parts, must sell, \$2,000. Burak, 929-6844

92 DODGE CARAVAN - a/t, a/c, p/s, p/b, 138K mi., new tires, brake cylinders and pads, new tranny, new exhaust system, runs well, \$1,500 neg. Joseph, Ext. 5409.

91 MAZDA NAVAJO - white, 4 wheel drive, p/s, p/b, p/l, moonroof, 97K mi., \$2,900. Joe, 289-4734.

91 OLDS DELTA 88 ROYALE - excel., loaded, new tranny, new tires, \$4,500. 473-1406.

87 FORD TAURUS WAGON - all power, 135K mi., runs well, \$500. Victor, Ext. 3794 or Ext. 1151.

85 MAZDA PICKUP B-2000 - new clutch, assem. cut flywheel, \$500. Wayne, 924-0002. CAR BRA - Colgan for Jeep TJ, brand new \$50. Mike, Ext. 4590.

RIMS - early 90s GM slotted rims, 14 x 7, \$25/pair. Victor, 929-5876 eves

TIRES & RIMS - 4 tires, 205-65HR-15 mounted and balanced on rims w/wheel covers and lugs, fits Nissan, \$120/all. Steve, Ext. 4719.

TIRES & RIMS - '97 GMC Surburban, four 6 lug aluminum mag rims w/fairly new Pirelli tires, \$500. John, Ext. 4668.

02 SUZUKI VITARA - 4x4, 38K mi. 4VH eng., \$10,500. Cappy, Ext. 5030.

00 DAKOTA PICKUP - green, am/fm cass., 5spd., V6, a/c, 9K mi., \$10,500. Bob, Ext. 5314. 00 MERCURY GRAND MARQUIS - all power. garage kept, show room cond., cruise, p/s, am/ fm cass., carriage top, alarm. Lou, 277-2671. 00 PONTIAC MONTANA - red, extended minivan, seats 8, all power, rear a/c & radio controls, traction control, towing pkg., 45K mi., \$15,000. Maurice, Ext. 2159 or 331-7048. 99 FORD EXPLORER XLT - leather. moonroof, p/s, 6 CD/cass., 44K mi., 2 vrs./ 24K mi. remaining on Ford Warranty, \$15,750. Tom, Ext. 2005 or 281-6767.

99 TOYOTA COROLLA CE - beige, 4-dr., all power, ABS., tilt, cruise, excel. cond., 50K

runs well, p/l, cruise, built-in child seats,

95 MAZDA 626 DX - 5-spd., all power, 66,500 mi., excel. cond., well maint., one own., \$3,000. Pam, 331-3419.

94 DODGE CARAVAN - 3.0, V6, auto, a/c, am/fm cass., 60K orig. mi., runs well, clean, \$4,500. Li, Ext. 7604.

94 FORD TAURUS GL - sedan, leather, 5337 or 821-4318.

94 HYUNDAI EXCEL STD - hatchback, a/c, p/s, v.g. cond., 84,500 mi., \$1,200. Mario, Ext. 5424 or 744-3879.

93 HONDAACCORD - blue, 2-dr., 5-spd., 136K mi., excel. cond., \$3,300. George, 878-1178. 93 MERCURY SABLE - all power, new battery, starter & alternator, trunk release, am/ fm cass., 93K mi., \$1,200. Carl, Ext. 5010 or 369-3730.

92 FORD RANGER - p/s, p/b, 5-spd., 7 1/2' bed, new clutch & brakes, well maint., runs great, 200K mi., \$1,500 neg. Bill, Ext. 3739. 92 NISSAN SENTRA - 5-spd., a/c, p/s, 138K mi., current inspection, runs great, \$700. Scott, Ext. 5745.

92 TOYOTA TERCEL - 5-spd., 2-dr., 122K mi., am/fm radio, \$1,000. Pat, Ext. 7886. 91 CHEVROLET CAVALIER - red, am/fm

cass., V6, a/t, p/s, good cond., \$900 neg. Mavbell, 732-3796.

90 CHEVROLET CAVALIER - black w/black int., CD, premium sound, 88K mi., \$1,800 neg. Paul, 767-4824.

89 BUICK LESABRE STATION WAGON all power, 192K mi., big wagon, new alternator, carburetor, manifold, electrical, body needs work, \$450. Ext. 2211 or 473-3315.

89 GMC 3500 - landscape/mason dump, dually, best offer, must sell, v.g. cond., V8, 72K mi., \$6,000; 89 Ford F-150, 5-spd., 95K mi., 4x4, 6-cyl., excel. cond., many new parts, must see, best offer. Joseph, Ext. 2350 or 758-2340. 89 HONDA CIVIC - blue, 2-dr., hatchback, auto.. v.a cond.. 66K mi., \$1,800. Ext. 3828. 88 DODGE DIPLOMAT - 4-dr., a/t, p/s, a/c, good station car. \$1.300. Ext. 4843 or 567-6227

88 FORD ESCORT LX - a/t, 2-dr., 4-cyl., sun roof, 28,500 mi., \$500, Neiza, Ext, 2612, 87 MERCURY MARQUIS - a/t, p/s, p/w, third seat, new battery, runs well, many extras, 180K

mi., \$800. Marco, Ext. 2110 or 766-6499. 85 BMW 318I - good cond., needs minor work, \$1,500. Robert, 369-4642.

84 VOLKSWAGON BABBIT - runs well everything works, no leaks, doesn't burn oil, passes inspection, 65K mi., \$300 neg. Charlie, 924-5638.

Furnishings & Appliances

BEDROOM SET - white Formica girls bedroom set loft bed w/armoire and desk underneath, \$450 obo. Ext. 2457.

BEDROOM SUITE - king-size dark pine headboard footboard triple dresser mirror w/corner shelves, 5 drawer armoire, 2 nightstands, v.g. cond. Beth, 447-6517. CHEST FREEZER - 4.3 cu. ft., upright, 2

years old, \$75. Mike, Ext. 3255. COUCHES - two sofas/chair/ottoman set,

comfortable, \$250; 24" x 22" round, black mica cabinet, \$40; double futon mattress, 6' thick, \$40. Darcy, Ext. 3362 or 286-8523.

FUTON - full size, thick mattress, wood frame used 1 year, \$70. Ext. 8485 or 924-2942.

SOFA BED - green leather queen-size, barely used, \$650 obo, 821-7879,

WALLUNIT - mahogany, 3-pc. Beth, 447-6517.

Sports, Hobbies & Pets

BIKE - new, 20" wheels, Huffy, \$40. 924-6751. GUITARS - bass, Peavey Patriot, natural wood, excel. cond., \$125. Yamaha Acoustic guitar w/case, excel. cond., \$100. Peter, Ext. 2913.

KEYBOARD - Yamaha DX-7, 61 key electric keyboard. 64 different vokings, industry classic, \$500. Thomas, Ext. 4396.

TREADMILL - ProForm model #745CS, slightly used, paid \$800, ask. \$500. Mike, Ext. 3255. TROMBONE - Yamaha Trombone, like new, best offer. Maryann, Ext. 4705.

Audio, Video & Computers

VIDEO CASSETTE PLAYER - RCA, AC/CD used in conversion van, 2 years old, paid \$140, ask. \$80. Mike, Ext. 3255.

Miscellaneous

CHINA - Noritake Barrymore, serves 10, delicate autumn colors on bone background, serving pieces cost \$1,000, ask. \$135. 878-3935.

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

LEATHER - iackets & vests, men's & women's. several styles and colors, suede too, most never worn, \$20-\$50. Peter, Ext. 2913.

SNOWPLOW - 71/2' Snoway, complete Ford, \$400; 71/2' Western snowplow, complete Chevy, \$500. Rich, Ext. 4201 or 589-9103.

Wanted

BO FLEX - in good cond., reasonable price, any model. Ken, Ext. 3124.

CANOE - looking for used Grumman canoe in good to excel. cond. 929-4450.

GOOD HOME FOR CAT - young fixed male cat, healthy, all shots, very playful and likes to sit on laps. Ext. 3902, 929-8165.

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

Happenings

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COME HEAR ABOUT IT GOSPEL NIGHT -"No More Pain", 1/18/03, Riverhead H.S. 700 Harrison Avenue, \$7 in adv., \$9 at door. Doors open 6 p.m. Tiffany Minter, Ext. 6273 or 7692.

Ads omitted from this Bulletin due to lack of space will be printed on January 17.



Get to Know Your Lab! Next Attraction: Superconducting Magnet Division

uring the next employee lunchtime tour, on Friday, January 17, the mighty superconducting magnets that power accelerators like the Large Hadron Collider at CERN, Switzerland, will be on view. The Lab community is invited to meet in the upper lobby of Berkner Hall at noon. A Lab bus will transport participants to Bldg. 902, where Superconducting Magnet Division staff will explain how the magnets are built and



mi., \$8,295. Ralph, 325-0145. 95 FORD WINDSTAR - a/c, p/w, 138K mi., \$2,000. John, Ext. 2059.

cass., auto., all power, v.g. cond., \$2,000. Ext.

agement experience in a technical/scientific organization is desirable as is experience interacting with the DOE and/or government agencies. Director's Office.

MK3072. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in highenergy particle or nuclear physics and experience in techniques for event simulation and large-scale data analysis for multidetector experiment. Knowledge of C++ desirable. Research will involve work on the Relativistic Heavy Ion Collider experiment BRAHMS. Will be expected to take part in the data analysis, detector development, and running the experiment. Under the direction of C. Chasman, Physics Department.

MK3071. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in theoretical condensed-matter physics or related field and a broad knowledge of theory of disordered systems, including diagrammatic methods, nonlinear sigma model approaches, and super symmetry approaches. Work will involve research in mesoscopics, guantum dots and nanoscale

tested at BNL, and how they work. The group will return to Berkner by 1 p.m.

For more information, call BNL Community Involvement's Elaine Lowenstein, Ext. 2400.

istration functions, including monitoring of progress, receipt of deliverables and invoice approval in coordination with contract administration representatives, technical representatives and contractors. Procurement & Property Management Division

TB2112. PRINCIPAL TECHNICIAN (TW-4, reposting) Requires AAS in electronics technology or equivalent and 2 years' relevant work experience. Must have working knowledge of digital electronics, basic test equipment, circuit board assembly, elementary electronic design, and basic mechanical fabrication techniques. Familiarity with AutoCAD LT or other software is desired. Under minimum supervision, performs a variety of



evaluation, testing, troubleshooting, modification and maintenance operations on electronic circuits. Must be able to work mandatory overtime and be available during nonscheduled hours to respond to Collider-Accelerator operations Collider-Accelerator Department.

TB3864. SR. SECRETARY (CW-3, parttime, term appointment, reposting) - Reguires a minimum of three years' work experience, proficiency in MS Office applications such as Word, Excel, Access, Outlook and Power Point, excellent written and oral communication skills, and the ability to perform administrative tasks under minimum supervision. A thorough knowledge of Laboratory policies and procedures and BNL systems such as IPAP. PeopleSoft and procurement practices is desired. Must have the ability to work under pressure, balance priorities, and perform multiple tasks and be able to obtain and maintain a security clearance. Responsibilities will include filing, distributing mail ordering supplies, coordinating annual meetings, preparing monthly meetings binders, large mailings, foreign and domestic travel arrangements, and other routine and nonroutine administrative tasks for the International Safeguards Project Office. The candidate will back up and fill in for the group's administrative assistant in other areas as necessary. Nonproliferation & National Security Department.

Bulletin

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