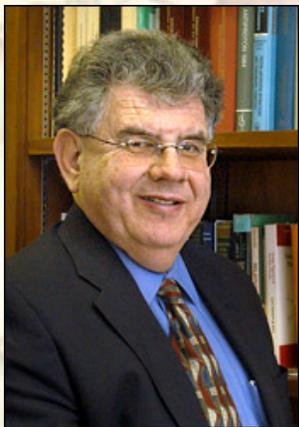


Particle Post November 2008

"We can only be said to be alive in those moments when our hearts are conscious of our treasures." ~ Thornton Wilder

Previous issues

A Note From Our Chairman



The greatest reward for any individual is the respect they receive from their colleagues. This can be exemplified by working relationships, external and internal award recognition, but none surpasses the response which one receives from ones coworkers and friends when you have a health problem. I would like to thank you all for your well wishes and prayers during my recent illness. I am now on the mend and intend to be back to work next week. I will then have the opportunity to thank you personally.

The monetary contribution, except for the 1000 Yen note, that came with a delightful get well card will be forwarded to the American Heart Association. I will have to await a future trip to Japan to contribute it to charity. Thank you.

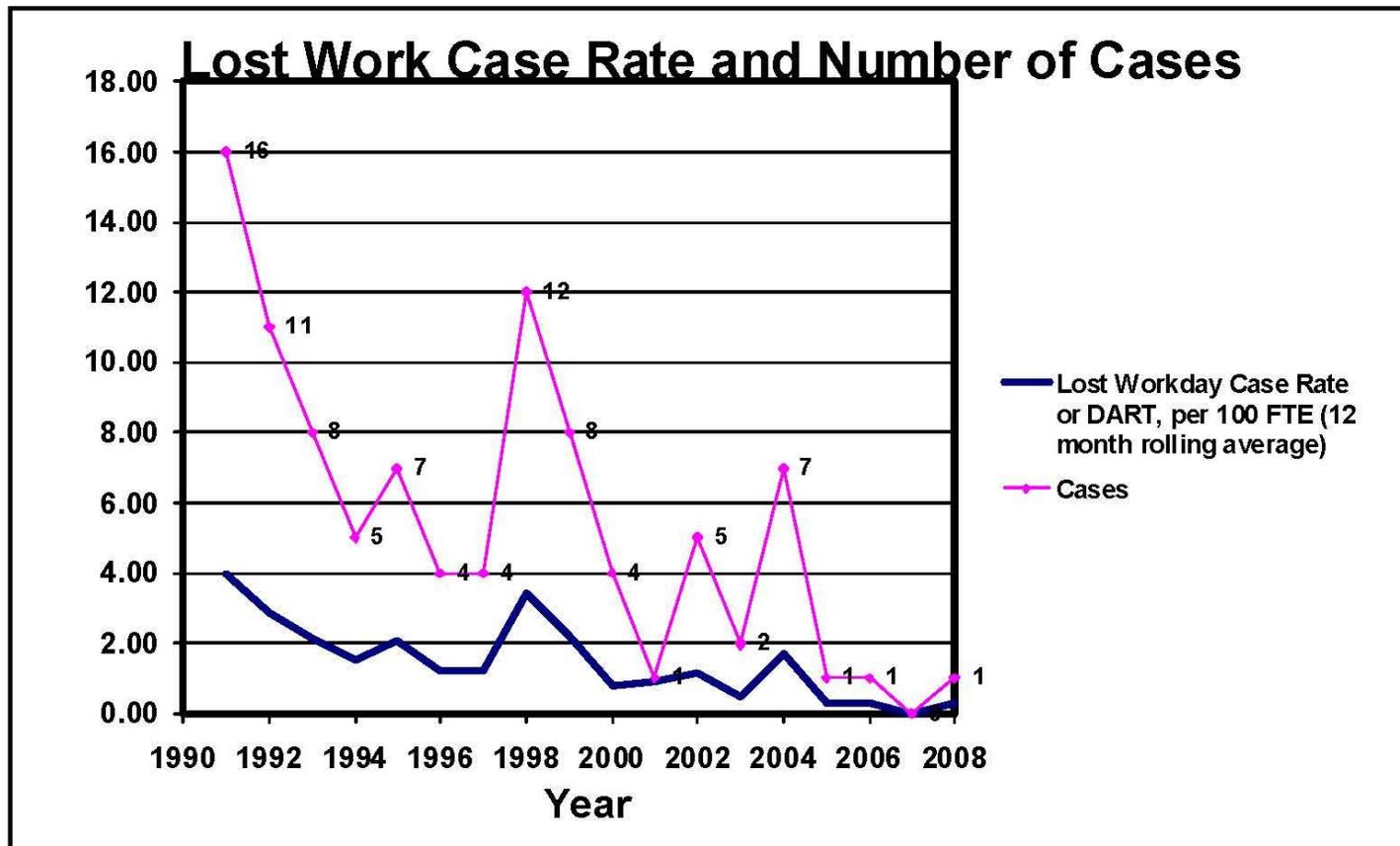
Administration



DOE has provided annual budget guidance of \$107.6M for RHIC Operations and interim funding of \$46.5M through March 6th. Expenditures necessary to ensure a February 1st start to the cool down should proceed as planned, keeping in mind that we must preserve the ability to respond to a year-long CR at current funding levels. October financial data confirms that we are on track, simultaneously planning to optimize the benefits of a 10 week run while preparing for 20 weeks of operations should the required funding be made available.

The Laptop Accountability Training course (TQ-LAP-ACCOUNT) is once again available through the BNL Training & Qualifications Home Page. All employees who request a property pass for off-site use of a BNL owned laptop must complete this course before a property pass can be approved.

Safety Stats



C-AD Occupational Injury Statistics

For Year* 2007

For Year* 2008

First Aid Cases	4	5
Recordable Cases	1	2
Lost Work Cases	0	1

* Calendar Year

REMINDER: TLD exchange is done the *FIRST FRIDAY* of the Month.

EXCHANGE DATE: FRIDAY, NOVEMBER 7, 2008 NEW

NEXT EXCHANGE: DECEMBER 5, 2008

Pete Cirnigliario

From: Maraviglia, John
Sent: Wednesday, October 22, 2008 3:55 PM
Subject: FW: Testing Ground-Fault Circuit Interrupter Outlets

Follow-up:

The below Oct 21 email describes what the Lab requires. (Press the test button; hear a loud click; the reset button should pop out; push the reset button back in.) However, an enhanced practice would be:

1) Have something plugged into the outlet, like a light, to make sure that it actually goes out when the test button is pushed; or

2) Use a tester if you have one: http://www.homenetworksupply.com/products_details.aspx?product_id=3347573731&zmam=17011041&zmas=1&zmac=30&zmap=9610

There have been instances where the test buttons worked fine, but there was no ground fault protection because the GFCI was wired incorrectly.

-----Original Message-----

From: Maraviglia, John
Sent: Tuesday, October 21, 2008 5:34 PM
Subject: Testing Ground-Fault Circuit Interrupter Outlets

From yesterday's Monday memo:

Testing Ground-Fault Circuit Interrupter Outlets

By Jim Durnan



Employees may notice new warning stickers on the ground-fault circuit interrupter (GFCI) electric outlets in Lab bathrooms or kitchen areas. These GFCI receptacles are designed to constantly monitor the flow of current through the protected circuit and sense any loss of current to an outside path. If the current flowing into the protected device differs by a very small amount from what flows out of the device, the GFCI instantly interrupts the current flow, protecting the user of the device from a potentially fatal electric shock.

In order for the user of the device to be shocked, the person must be touching the energized device and ground at the same time. That is why they are called ground fault circuit interrupters and why they are required near sources of water, which is a good conductor of electricity to ground. For example, if a parent accidentally dropped a hair dryer in a full bathtub, a child in the tub would be protected from electrocution as long as the hair dryer were connected to a GFCI.

After recent field inspections of installed GFCI devices found a significant

percentage inoperable due to corrosion and failure of electronic components, *Underwriters Laboratory recommended that all GFCI outlets be tested regularly. The BNL Laboratory Electrical Safety Committee has determined that testing the GFCI device prior to each use will meet the intent of this recommendation and protect the user of the device.*

Testing the GFCI is an easy process. Simply press the test button on the front of the outlet. You should hear a loud click and the reset button should pop out. Push the reset button back in and you are ready to use the outlet. If you push the test button and nothing happens, please do not use the outlet and report the problem to your Building Manager or ESH Coordinator as soon as possible.

Because GFCIs in the home are just as important as the ones at work, we hope that employees, users, and guests will take this guidance home and train their families in the importance of testing these devices in their kitchens, bathrooms, dorm rooms, and schools.

– Jim Durnan
Laboratory Electrical Safety Officer
durnan@bnl.gov



Arrival

Joel Vazquez joined the Department on October 20 working with Dean McDonald in the Access Controls Group.

WELCOME!

Transfers

James Biancarosa, Cryogenic Systems Group transferred to the NSLS II Project effective November 1.

Al Della Penna, Beam Components Group will be transferring to NSLSII Project effective November 17.

William Themann, Cryogenic Systems Group transferred to the NSLS II Project effective November 1.

Good Luck!



RHIC Newsletter. Please click on link to the left to view the latest web publication of RHIC News.



*We wish all of you born in **November**
a happy and healthy year ahead.
Birthday people **ONLY** click on cake*



C-AD Service Awards October

25 years	Nelson Brent
20 years	Ioannis Marneris Thomas Wozniak
10 years	Matthew Ceglia

Congratulations!



Get To Know Your Co-Worker

Tracy Blydenburgh, ESSH&Q Division, supports the Group primarily with QA and

Security related issues in an effort to eliminate theft of valuable materials. Tracy also supports Jon Sandberg with the NRTL Project, Arc Flash database and is also the Building Manager for Bldgs. 926 and 1101. Tracy has worked at BNL for over 23 years, she started in Contracts and Procurement, then moved on to the Reactor Division (we all know what happened to the Reactor Division). Tracy left the Reactor and started working with Safety & Health Services before she joined our Department. Tracy and husband John (Procurement & Property Management) have been married for 13 years and have 2 daughters; Becky, age 9, likes to bowl and ride quads. Ashley, 12, is a fastpitch pitcher, and has been trained by one of the top division III pitchers in the nation. Tracy also enjoys playing racquetball, volleyball, softball and various other sports. Here are some family photos:



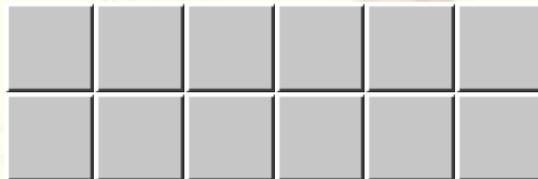
Steve Gill, Vacuum Group shared these photos: The clown makeup was a bit too much for him but he liked the nose. Trick or treat with Luke and his grandpa...

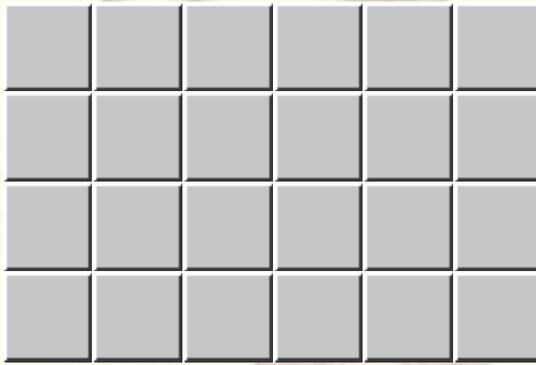


Fun Time

Uncover all the blocks in this version of the classic memory game concentration. You uncover all the blocks by successfully matching the image pairs. Click the Timer button below to start a new game whenever you want.

Concentration





Free JavaScripts provided
by [The JavaScript Source](#)



Did You Know

This message is sent on behalf of Derek Lowenstein:

Reminder: The Laboratory requires that papers intended for publication be submitted for review and release by the Laboratory before they are published. Therefore, before submitting any abstract, journal article or conference paper for publication, please e-mail Stacey Kuczewski (skuczewski@bnl.gov) an electronic file of the publication so that Publication Paperwork may be completed/approved. Your cooperation is required.

Alexei Fedotov Receives Tenure

Thursday, October 09, 2008



Alexei Fedotov

Alexei Fedotov has received tenure based on his important contributions to the Lab's Collider-Accelerator Department (C-AD). Fedotov is known for his rigorous particle accelerator theories and experiments that were successfully applied at Oak Ridge Laboratory's Spallation Neutron Source (SNS) and are now being used to develop electron cooling for Brookhaven's Relativistic Heavy Ion Collider (RHIC) and the future, electron-ion collider eRHIC.

"Dr. Fedotov has established himself as an outstanding accelerator physicist whose original scientific work and leadership are internationally recognized," said C-AD Chair Derek Lowenstein. "His work on electron cooling of RHIC established the feasibility of luminosity [collision rates] enhancement for RHIC and eRHIC. He deserves recognition for his initiative, creativity, team spirit, and productivity."

Fedotov joined BNL in 1999 to help design the SNS accumulator ring, a neutron-producing particle accelerator. From 2001 to 2003, he led the SNS Ring Beam Dynamics team analyzing interactions that would affect and limit beam intensity. Fedotov's efforts to mitigate these interactions helped produce the most intensely pulsed neutron beams in the world.

Since 2003, Fedotov's work has been crucial in developing an electron cooling technique for planned future RHIC endeavors. Electron cooling employs cold electrons traveling along RHIC's ion beams to transfer thermal energy, or heat, away from the warm particles of the ion beams. This energy transfer cools the ion beams, which increases the density of particles in each ion beam and leads to increased collision rates. Fedotov's work with theories, experiments, and simulations was instrumental in establishing an accurate description of the cooling process using a magnetized electron beam. More recently, Fedotov has worked to develop a non-magnetized cooling approach that is less expensive and more robust than earlier versions.

Fedotov earned his undergraduate and masters degree's from Novosibirsk State University in Russia while working as a research assistant at Budker Institute for Nuclear Physics in Novosibirsk and as a visiting scientist at Stanford Linear Accelerator Center. He earned his Ph.D. at the University of Maryland in 1997 and worked there as a research associate before coming to BNL in 1999. He was appointed physicist in 2003 and was awarded a continuing appointment in 2005.

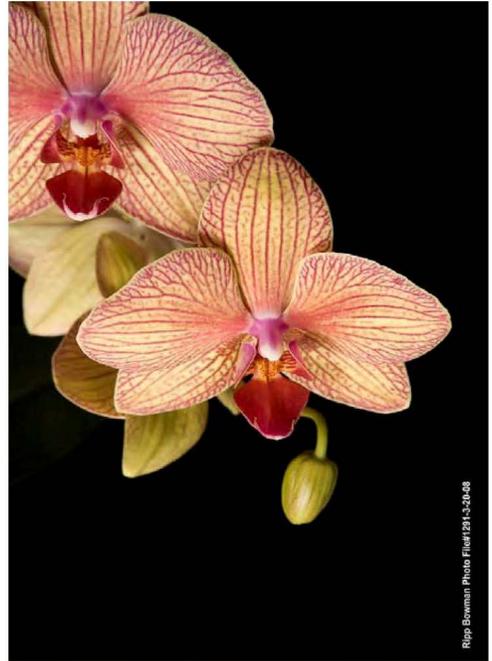
2008-897 | [Media & Communications Office](#)

STAMP OUT THE WINTER BLUES

JOIN THE SUFFOLK ORCHID SOCIETY

LEARN TO GROW & BLOOM ORCHIDS

2nd MONDAY OF EACH MONTH (7:30 PM)
EMMA CLARK LIBRARY, SETAUKET, NY
FOR MORE INFO:
CONTACT SAM MEDNICK, 631 473 8726
Email: Smednick@suffolk.lib.ny.us



Rupp Bowman Photo File#F2013-20-08



Symposium for Gerry Bunce

To Celebrate 32 years of Spin Physics Research at BNL

November 19, 2008

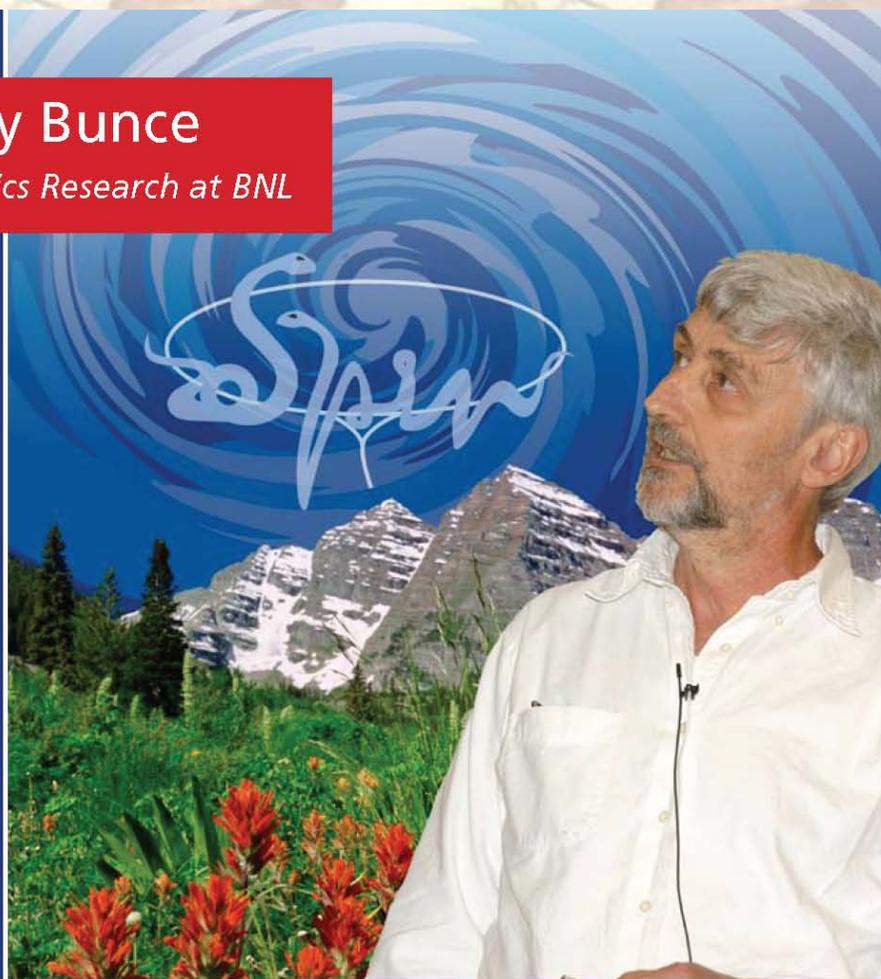
Registration fee: \$35*
(fee for reception and dinner)

Registration Deadline:
Friday, November 14, 2008

*payment may be made by cash or check only.
Please make checks payable to "BSA" or
"Brookhaven Science Associates."

Checks may be sent directly to
K. Smith, Physics Department Chair Office.

www.bnl.gov/gbunce/



Brookhaven National Laboratory, Upton, NY 11973
Physics Department, Large Seminar Room

Adopt-a-Platoon

Save the dates!

**Wednesday – Friday
November 5–7, 2008**

2nd Annual Adopt-a-Platoon Fundraiser

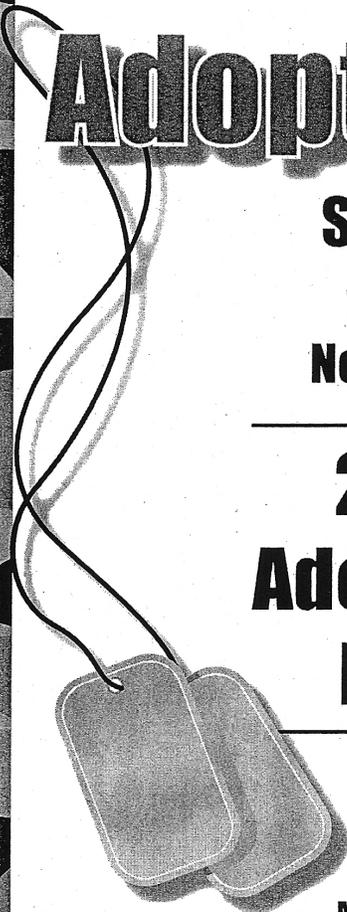
**Berkner Hall
11 a.m. – 1 p.m.**

**Military logo items for
men, women and children
(Camo apparel, T-shirts, hats, jackets, and more!)**

To view order form with photos of the items, see
http://www.bnl.gov/bera/activities/va/Adopt_A_Platoon.asp

All items will be received in time to give as holiday gifts!

Please support this excellent fundraiser!
All proceeds go towards supporting our service members!



The Food Pantry needs our help.....

If everyone can bring in at least one non-perishable food item, this would help the local food pantries in our area. With your help, the local food pantries are able to donate a holiday dinner to those families who will not have a

Thanksgiving Dinner. There are so many families who are in need of food and depend on their local food pantry to have at least one meal a day. With the food supply so low, the volunteer's who help out at our local food pantries can't help those in need. So please..... bring whatever you can to help replenish the food supply.

Your donation of any non-perishable food item can be left in the box marked "Food Drive" located in the 911A Lobby.

Thank you,

Ann Marie Luhrs



Asking for your help to raise money for the United Way (starting today and all through November). It'll take very little to participate, & it'll be a lot of fun!

Seinfeld & Pizza: \$4, Tuesdays 12 - 1pm, (dates: Oct 28, Nov 4, 11, 18, & 25) watch Seinfeld, 2 episodes, a slice of fresh hot cheese pizza delivered by Pizza Crust, and soda in the Snyder Seminar Hall. Orders for pizza will be taken 1 day prior on Monday by Ila, x2206, ila@bnl.gov (extra slice +\$2).

Snack & Bake Sale: fresh home baked or purchased goodies in the 911A lobby & near the library. You can also participate by donating your home baked goodies. Jeremy has it out in the lobby today. Todd Satogata has offered to bake soon.

Pledge & enter the Raffle: pledges can be one time, or monthly payroll deductions, ranging anywhere from \$1 up. For all the pledges we get, we will enter those names in our raffle. (Prizes: 2 memberships to BNL gym (\$25 value), 1 motorcycle club membership (\$10 value), 2 tickets of oncert at BNL, more to come ...)

Fun for All: We'll bring more awareness to health & fitness with a weekly tip: "Eating 5 servings of colorful fruits and vegetables a day provides vitamins, minerals, fiber, and phytochemicals the body needs to maintain good health and energy."

Via emails we'll also list 1 project United Way is involved with. All donations stay on Long Island. In 2007-08 Project Warmth helped 1,866 families including 2,809 children to stay warm last winter. This year the cost of heating oil is 74.7% higher.

Jeremy Jacobsen x2362 jjacob@bnl.gov Ila Campbell x2206 ila@bnl.gov

Thanks to: BERA's Christine Carter, Body Building Club's Elliott Levitt & Charles Gardner, BNL Music Club's Joe Vignola & Joe Carbonaro, for contributing towards the raffle prizes, Frank Dusek (for donating 1 motorcycle club membership), Pablo Rosas, Paul Sparrow for helping us.

CAD's United Way Fund Raising:

Someone gave us this great idea. We'll have pure entertainment for 2 days. Our focus is on getting CAD's gift basket ready for Dec 4th Auction at Berkner besides raising donation.

This Thursday & Friday Nov 6th & 7th, in the 911 Snyder hall

PURE ENTERTAINMENT - Watch 'The Rolling Stones'

Famous concert - Bridges to Babylon tour 97-98

2 hours of pure fun will be split between Thursday & Friday.

"As ever, the Stones, Rocking, Rolling and Ruling." - New York Times

Ticket: \$1 per person

Bring your own lunch!

We'll sell cookies, baked goodies, soda, & water.

So far we have raised \$327.00 which will be donated to the United Way on behalf of our department. But, we still need to raise more money and we will continue our efforts along with your help and participation.

We'd like to thank everyone who came and supported our fund raising events.

Jeremy & Ila



The following message is being sent on behalf of Brookhaven Women in Science.

BWIS Wine & Cheese Party Today

All BNLers are invited to the Brookhaven Women in Science (BWIS) Wine & Cheese Party to be held today, November 6, from 5:15 p.m. to 7 p.m. in the Recreation Hall, Bldg. 317 in the apartment area. BWIS holds this event annually to thank all who have helped with and supported BWIS programs, welcome new members, and introduce the new executive board to the Laboratory community.

Both men and women are welcome to join BWIS. The group's primary mission is to promote the advancement of women in the scientific professions. More information about BWIS and the membership application form is available at the BWIS website: <http://www.bnl.gov/BWIS/>. For more information about the November 6 event, contact Stephanie LaMontagne at Ext. 7141, or stephl@bnl.gov.

Media & Communications Office Phone: (631)344-2347

[BERA Trips & EVENTS](http://www.bnl.gov/bera/) <http://www.bnl.gov/bera/> Great time to sign up for early holiday gifts!

[BERA Discounts](#)- including 2 for 1 for BNL employees at the new DNA Rocky Point dry cleaner, and

[FITNESS!!](#) Warm pool water, hot Kick Boxing, great Yoga, Pilates, and fabulous Aqua Aerobics, most at about half of what you'd pay outside, and some classes are free! View the complete list of classes at:

http://www.bnl.gov/bera/linkable_files/Fitness-Nov2008.pdf Register now for the new sessions!

[SAVE THE DATE!!!!](#) [The BERA Holiday Party](#) will take place on Friday December 5, 2008 at the beautiful waterfront Miller Beach SURF CLUB! \$45PP FOR THE WHOLE DEAL- open bar, hors d'oeuvres, dinner buffet, dessert & DJ dancing. Get your friends, family & department together – tickets go on sale Friday 10/31/08 and must be purchased by

November 21. Seating will be limited! <http://www.millerbeachsurfclub.com/index-4.html>

TOY & FOOD DRIVE IN PROGRESS-Please DROP OFF AT THE BERA STORE OR BLDG. 400.

United Way Auction on 12/4 & 5, UW Gift Wrapping 12/16-18, and BERA Book & Gift fair on 12/15 & 16!

The Rec Hall, Bldg 317, is available for departmental holiday gatherings. Please call me for details!

REMINDER: Any function at BNL where alcohol is served needs one of these: http://www.bnl.gov/bera/linkable_files/Alcohol_Policy_Permission_2007.pdf

See Recreation Facility Holiday schedule at <http://www.bnl.gov/bera/recreation/calendar.asp>

Christine B. Carter, CMP

BNL Artists, photographers, sculptors and crafts-makers will be displaying their work at the BNL Art Society's Art and Crafts Show to be held at Berkner Hall from Monday to Wednesday, November 24-26, 11:45 am to 1:30 pm. An evening reception will be held on Monday, November 24, 5-7 pm.



ALUMNI NEWS: AGS/RHIC/C-AD RETIRED CROWD - We'd enjoy hearing from you and what you have been up to. Please send your notes to pmanning@bnl.gov.

Here is a photo of retirees Vera Mott, & Charley Flood, and employee Bonnie Sherwood (EENS Directorate). Retiree Anne Flood took photo - perhaps we'll get a photo of Anne next time.



You can catch up on all of Eric Forsyth's travels by clicking on his sailing yacht below.





November 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8
Daylight Saving Time Ends	Special Nuclear and High Energy Physics Seminar, "The Evolution of the HERMES Detector (a personal perspective)" Jim Steward, Jefferson Lab, 2pm, Bldg. 510 Small Seminar	Election Day		BSA Distinguished Lecture, "Inflationary Cosmology: Is Our Universe Part of a Multiverse?", Alan Guth, MIT, 7pm, Berkner	AP Seminar "Progress of NICA Project", Alexander Smirnov, JINR, 4pm, Bldg. 911B LCR	
9	10	11	12	13	14	15
	Physics Colloquium "WiTricity: non-radiative wireless power transfer", Marin Soljacic, MIT, 3:30pm, Bldg. 510, Large Seminar	Veteran's Day Lab Holiday	442nd Brookhaven Lecture, "Which Came First, the Eggshell or the Egg? Answering Biomineralization Riddles", Elaine DiMasi, NSLS, 4pm, Berkner Hall	AP Seminar "Cooling of Hadrons at Relativistic Energies: Performance of FNAL's Recycler Electron Cooler", Lionel Prost, FNAL, 4pm, Bldg. 911B LCR		

	1	2	3	4	5	6
		Physics Colloquium, "Controlling Chaotic Activity in Neural Networks", Larry Abbott, Columbia U., 3:30pm, Bldg. 510, Large Seminar	443rd Brookhaven Lecture, Aleksey Bolotnikov, N&NS, 4pm, Berkner			
7	8	9	10	11	12	13
Pearl Harbor Day			Documentary Screening - "Naturally Obsessed", Richard & Carole Rifkind, Parnassas Works, 4pm, Berkner			
14	15	16	17	18	19	20
		Physics Colloquium, "A quantum computer can determine who wins a game faster than a classical computer", Edward Farhi, MIT, 3:30pm, Bldg. 510 Large Seminar	444th Brookhaven Lecture, 4pm, Berkner			

21 Winter Begins	22 Happy Hanukkah	23	24 Christmas Eve ½ Lab Holiday	25 Christmas Day  Lab Holiday	26	27
28	29	30	31 New Year's Eve			



**We Remember
Sept. 11, 2001**

USS New York - A ship forged from the steel of the World Trade Center

Editor: Pamela Manning x4072