

# Particle Post June 2008

*"The difference between try and triumph is just a little umph!" ~M. Phillips*

Previous issues

## A Note From Our Chairman



This past month included a very well attended RHIC users meeting. Both recent results and future plans were high on the agenda. There was a lot of excitement about the future luminosity enhancement possibilities with stochastic cooling and the further future possibilities with eRHIC. C-AD was given especially high praise by the experimental community for the machine performance of this and the recent past years. So we are now challenged to do even better.

I would like to remind everyone that performing our work safely should be utmost for us all. We managed to reach over 1,000,000 work-hours without a lost workday until recently. The 1,000,000 hour performance is commendable but the recent trip and injury could have been easily prevented. It is up to all of us to avoid injuries.

Now is the time to take your vacation days. Unused vacation days above the carryover limit costs C-AD money that we would spend otherwise for materials etc. So help yourself with some time off and provide us with more spending power. I need not remind everyone for the n<sup>th</sup> time that we have to be frugal to not overrun this year's budget.

June 18 is our BBQ luncheon. Please signup and be eligible for some great door prizes as well as the great food that we have all come to expect and the opportunity to meet our extended community of attending retired members.

## Administration



**Our financial picture for May reflects forward progress on all fronts.**

**RHIC Operations costs for May were \$8.6M, a reduction of \$0.9M from the prior month, due primarily to lower power consumption. A balance of \$40.5M remains to cover cost for the final 4 months of the fiscal year.**

**Effort on EBIS Construction is estimated to be nearly 10 man-years in FY 2008. To date, approximately one-half of the \$13M in construction funds received from DOE and NASA have been expensed and an additional 25% of the funds have been committed.**

**NASA funding of \$1.6M, received in May, provided the final installment for NSRL Run 8A, as well as sufficient funding for Run 8B which commenced on May 15th. Monthly costs reflect continued effort on the NSRL automated access system, as well as the Large Beam Capability funded earlier this year.**

**Long awaited funding of \$1.4M from the Office of Naval Research was also received in May. These funds will allow us to maintain schedule on the collaboration with AES to develop a superconducting RF gun for ERL.**

**The Department has also received funding from the Defense Threat Reduction Agency (DTRA) to fund a Proton Interrogation Experiment at the AGS. We received a total of \$973K, of which \$488K was provided for the required modifications to the U-Line. U-Line modifications will begin in June, and the experiment is tentatively planned for autumn 2008.**

**On May 29, the Electronic Time Reporting System (ETR) was enhanced with the ability to directly enter prior period adjustments, formerly known as Blue Card adjustments. A training session led by BSD is scheduled for Thursday, June 5, at 10:00 a.m. in the Biology Conference Room, Building 463, and is open to all monthly employees. Supervisors and those employees working shift and/or overtime are strongly encouraged to attend.**

**Nearly 25% of Department employees have completed the newly required annual custodial verification of ownership for sensitive property. If you have not yet responded, please be reminded that your input is requested by Monday, June 16. Questions or problems regarding the process should be directed to Marie Gavigan on extension 5894.**

## **Operations Update**

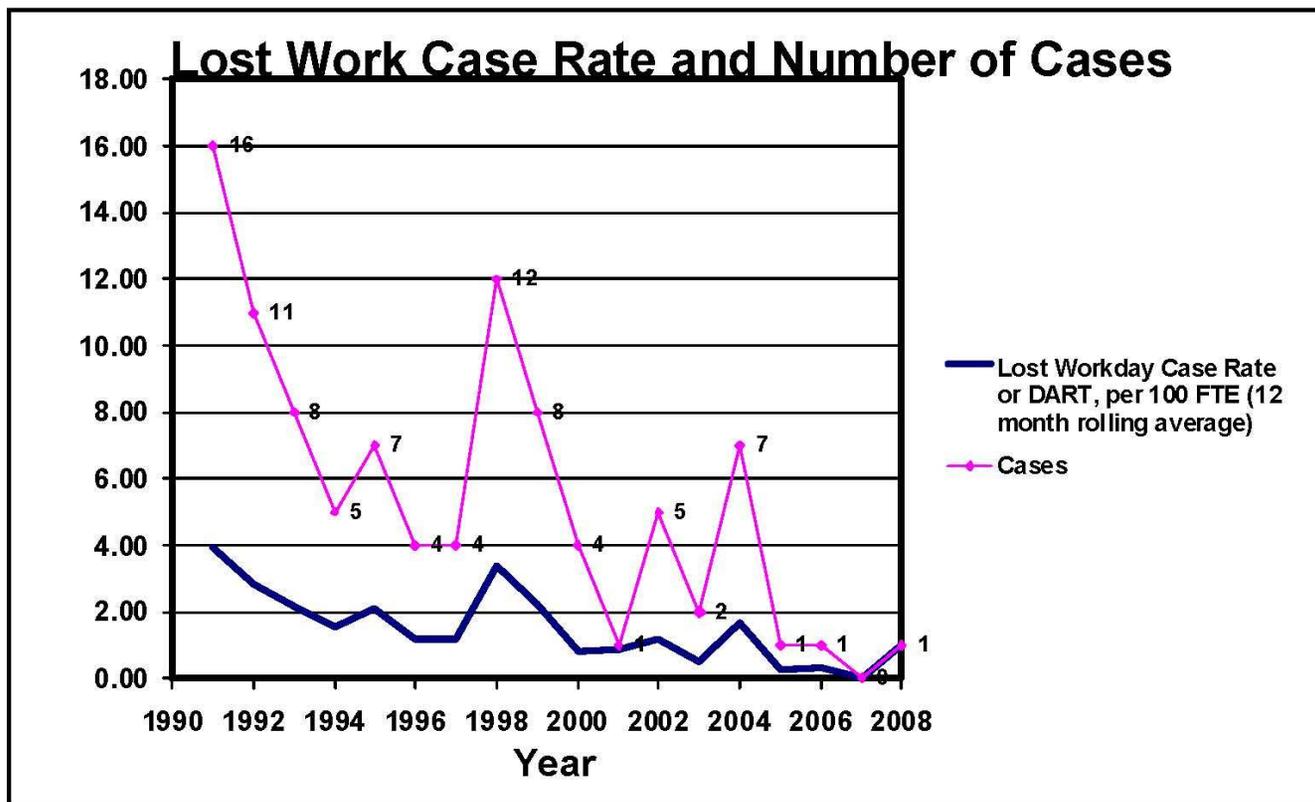


With the end of RHIC running for this fiscal year, the focus of operations is the NSRL run 08, which is progressing well and is scheduled to end on June 26. Booster operations also offer the good opportunity for recently hired MCR staff to gain further experience by working through the formalized set of training known as 'Booster Workbook'.

The next NSRL run is scheduled to start at the beginning of October and another beam development, known as proton interrogation (PI) that needs 4 GeV extracted beam from AGS, will likely take place around mid of October. It appears that the shutdown work planned for the injectors is consistent with the proposed start-up and an appropriate start-up schedule is in the making.

As we all know, given the uncertainties concerning the timing of the FY09 federal budget approval, necessary condition for RHIC running, we are facing a long shutdown. Long runs would be our preference but a long shutdown offers the opportunity for significant upgrades and improvements. For detailed information on planning and status check the status link on the Maintenance web page: [http://www.cadops.bnl.gov/AGS/Accel/Maintenance/Schedules/This\\_week.htm](http://www.cadops.bnl.gov/AGS/Accel/Maintenance/Schedules/This_week.htm). Hundreds of jobs are in progress in RHIC and injectors. Among the big-ticket items for instance: modifications of LEBT/MEBT beam lines, upgrade of RHIC polarimeter, damping of 10 Hz triplet oscillations, installation of 9 MHz cavities and replacement of L10 in AGS, installation of transverse stochastic cooling in the yellow ring, installation of AC systems in the service building, needed for increased power reliability. Last, but certainly not least, the 190,000 pound gorilla: the new AGS transformer that finally made it to BNL after an adventurous journey through New Jersey, and eagerly waits for its upcoming installation.

## ***Safety Stats***



### C-AD Occupational Injury Statistics

For Year\* 2007      For Year\* 2008

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

\* Calendar Year

**From: Karol, Raymond C**  
**Subject: Suggested 5 minute safety topics**

1. Liberty Mutual our insurer has a new website related to family safety tips:

[http://www.dreamdinners.com/main.php?static=supporting\\_families](http://www.dreamdinners.com/main.php?static=supporting_families)

2. A reminder from the memo that BNL Director Dr. Aronson sent out last August regarding acceptable attire in the work place. The only exceptions to his original statement is that short sleeves are now allowed if there is no skin hazard and visitors to tour our facilities may wear normal attire without restriction as long as we ensure there is no skin hazard in the tour area:

**Personal Protective Equipment:**

Perhaps the most visible area where we are not following our own PPE rules is the informally sanctioned practice of wearing non-complying attire (such as shorts, short sleeve shirts (note change here), and other garments that leave arms and legs exposed) in the laboratory, shop, and industrial work areas of the Laboratory. *I am directing that this practice be discontinued immediately and the requirements of SBMS be enforced by all levels of supervision. This is applicable to all BNL people - employees, guests, contractors, students, etc - all who work or visit (note change here for visitors for tours) such areas.* The risk of injury from this practice is unacceptable and the practice itself is incongruous with an institution aspiring to world-class safety performance.

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

**EXCHANGE DATE: FRIDAY, JUNE 6, 2008**

**next will be WEDNESDAY, JULY 2, 2008 (note non-standard day)**

*Pete Cirnigliario*



## Arrivals

**Patrick Bynum, Student Assistant, joined us on May 21 working with Nick Franco in the Communications & Electronic Support Group.**

Stephen Webb, Guest, Jr. Research Associate, started on May 6 working with Vladimir Litvinenko in the Accelerator Physics Group.

**WELCOME!**



**[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 **June**  
a happy and healthy year ahead.  
**Birthday people ONLY click on cake***



**C-AD Service Award** May

<b>30 years</b>	<b>Daniel Mullaly</b> <b>Karen Cestra</b>
<b>25 years</b>	<b>Steve Bubka</b> <b>Joseph Sanfilippo</b> <b>Paul Callegari</b>
<b>20 years</b>	<b>Ann Marie Luhrs</b>
<b>10 years</b>	<b>Peter Cirnigliaro</b>

## Congratulations!



## Get to Know Your CoWorker

**Kin Yip**, Physics Support, Experimental Support & Facilities Division, has been working at BNL for almost 8 years now. Kin works on the AGS polarimetry; radiation, shielding and other physics simulations; Liaison Physicist for U-line experiments; Research on pp2pp/STAR and D0 experiment at Fermilab. Before joining C-AD, Kin worked for the Physics Department involved in Dzero experiment at Fermilab and US Atlas Project (at CERN). Kin enjoys reading, watching movies and traveling in his down time. Kin also recently became a US citizen on March 24 (the date he took the oath). Kin grew up in Hong Kong and as a Rhodes Scholar he got his doctorate degree at Oxford working with one of the LEP experiments at CERN in Switzerland, followed by 3.x years at Fermilab as a post-doc, before finally arriving at BNL. We sure are glad to have you Kin.



# Fun Time

Just run your mouse over the picture for a great stress reliever

[Click here: Toren van beren](#)



Lynanne (ESSHQ Group) is proud of Christopher DiFilippo celebrating his 1st birthday in May and with big brother Marc.



**Gladys Blas (Chairman's Office) grandson Jayden at 7 months in May.**

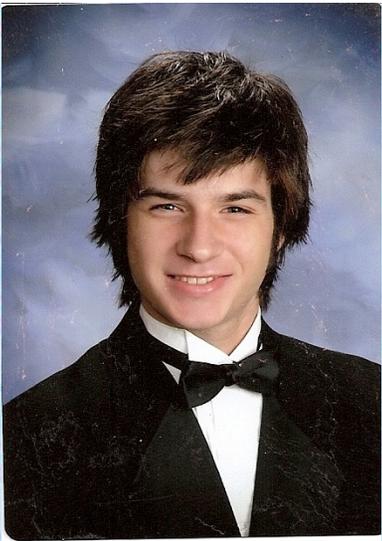


**Riccardo deMaria**, arrived here on April 14 as our newest Toohig Fellow. The Toohig Fellowship is a LARP sponsored fellowship. It has existed since 2006. Fellows have a choice as to where they want to work: BNL, FNAL, LBL or SLAC. Riccardo is the 2nd our of 3 fellows who chose BNL (the 1st was Rama Calaga). Riccardo is working with Steve Peggs at the Magnet Division.



**Jerri Castillo**, (daughter of Vincent Castillo, Access Controls) graduated from the Pennsylvania Academy of Fine Arts (PAFA) post-baccalaureate program. This is a one-year preparation program for a Masters in Fine Arts (MFA). Jerri will enter the MFA program at American University College of Fine Art, Washington, DC this fall. You can view Jerri's art work from her website [www.jerricastillo.com](http://www.jerricastillo.com)





**Michael Davis** (son of Roger Davis, Vacuum Systems) will be graduating from Center Moriches High School this month and plans on attending SUNY Plattsburgh, studying math or science. Michael loves to play baseball in his spare time.



**Mark Taddonio** (son of Laura Taddonio, Design & Documentation) will graduate from Patchogue/Medford High School. He will attend Boston University studying Engineering.

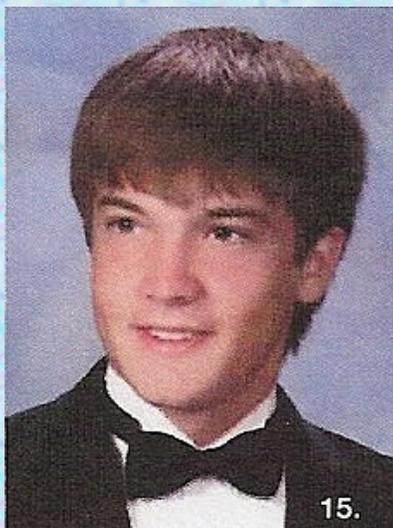


## 2008 BSA Scholars

Brookhaven Science Associates (BSA) has announced the 15 winners of the annual BSA Directors' Scholarships, which go to children of BNL employees in continuation of a tradition instituted at BNL in 1965. Each BSA Scholar is a high-school senior who will receive \$2,500 per year for up to four years of study at the college or university of his or her choice.



**Eva Raparia**, daughter of Deepak Raparia (Preinjector Systems Group), attends Shoreham-Wading River High School. To achieve a career in medicine, she will study at the State University of New York Downstate Medical School.



**Stephen Tuozzolo**, son of Joe Tuozzolo, (Chief M.E.), attends Sayville High School. He will major in environmental engineering at Princeton University.



**CONGRATULATIONS TO ALL!!**



**Did You Know**

## Summer Sunday Tours July 20 - August 17 (10am - 3pm) meet in Berkner Lobby

July 20- National Synchrotron Light Source

July 27 - Science Learning Center

August 3 - National Weather Service

August 10 - Center for Functional Nanomaterials

August 17 - Relativistic Heavy Ion Collider

This message is sent on behalf of Derek Lowenstein:

To all: BNL will be hosting a Blood Drive on June 17 and 18 (9:30 AM - 2:45 PM, Brookhaven Center). I urge all C-AD staff who are medically permitted to donate blood to do so and help their fellow citizens. The available blood inventory is in short supply and we may all need to tap this reserve during our lifetime. If you have questions about your eligibility, please call The Occupational Medicine Clinic at x3670. Information may also be found at the following link:

<http://www.bnl.gov/hr/blooddrive/>

Derek

**BNL Laboratory Police have found open and unlocked doors in our buildings. Please remember to lock your door if you are going out for an extended time and lock your doors when leaving for the day. If you are here in**

the off hours and have to go into someone's office make sure it is **closed and locked** when you leave.

Thanks for your cooperation,  
Paul J. Sparrow

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submitted by Ann Luhrs



**Hidden Dangers in the Kitchen** Sometimes with environmental hazards we can feel like we know too much — like if we hear one more thing, we're going to buy a big bubble and live in it. But before you turn the page in fear of the unknown, you need to read this: These six things are easy to get rid of — so they can stop making you and your family sick. [Click here!](#)

Excerpted from *Organic Housekeeping* by Ellen Sandbeck (Scribner, 2006)



# BAR-B-Q

**WHEN:** Wednesday, June 18, 2008  
12 Noon - RAIN OR SHINE

**WHERE:** BNL Gazebo

All C-AD & BNL Employees,  
Past & Present, Friends and Families,  
All Are Welcome!

**Bring Your Own Lawn Chair**  
**\$8.00 Per Person (advance sales)**

**\$10.00 At The Door**

**No Refunds!**

**Door Prizes, Lots Of Food, Fun, Music By Request**

***Come and Join Us!***

**TICKET SALES:**

Tony Arno X 6153  
Lynanne DiFilippo X7918  
Stacey Kuczewski X4853  
Ann Pham X4547

John Benante X2745  
Frank Dusek X2022  
Pamela Manning X4072  
Anna Petway X4776

Rippie Bowman X4672  
Marion Heimerle X4619  
Bob Marascia 929-4753  
Paul Sparrow X4689

Rich Conte X5741  
Mike Jacobellis X7869  
John Nicolellis X4631  
Ray Zaharatos X7205



There are many ways to assist China & Myanmar with their disaster relief, see the flyer below. Over 10 BERA Clubs and many BNL employees are doing what they can to raise funds. BSA will match funds up to \$25,000. It's greatly appreciated by many.

Join BERA at the annual Plant Swap Friday 6/6 in Berkner Parking Lot at noon! Many new trips & events, discounts & tickets have been added to the BERA web site- check it out! Graduations, Father's Day, and more occasions are coming! <http://www.bnl.gov/bera/>

## Disaster Relief Effort at BNL

### MYANMAR CYCLONE

#### Cyclone Nargis Facts

- Cyclone Nargis swept across Myanmar on May 2 and 3
- Worst cyclone to hit Asia since 1991
- 12-foot storm surge flooded the low-lying Irrawaddy delta
- Between 1.2 million and 1.9 million struggling to survive, says UN
- Official death toll now at 31,938, with estimates topping 100,000
- UN says critical needs include shelter materials, water purification tablets and food

BSA will generously match the BNL employee donations up to \$25,000 as specified in the May 19<sup>th</sup> Monday Memo and the May 23<sup>rd</sup> BNL Bulletin. BNLers wishing to donate may do so following any of the 4 options listed below:

- OPTION #1** - You can go online and make a contribution to **Unicef** or **Mercy Corps**. Please forward your electronic confirmation or receipt via e-mail to Lihua Zhang, [lhzhang@bnl.gov](mailto:lhzhang@bnl.gov) or lab mail to Bldg 735, so BSA can match the contribution.
- To donate to the victims of the China Earthquake through Unicef, go to <http://www.unicefusa.org/news/releases/unicef-assists-post.html>.
  - To donate to Myanmar victims, go to <http://www.unicefusa.org/news/news-from-the-field/calm-storm-minds.html>.
  - To make an online donation for either disaster through Mercy Corps, see [www.mercycorps.org](http://www.mercycorps.org).

### CHINA EARTHQUAKE

#### Sichuan Earthquake Facts



**Standard Earthquake Facts**

- More than 67,000 dead
- Nearly 21,000 still missing
- More than 436,000 homes have collapsed
- At least 362,000 injured
- About five million homeless

**OPTION # 2** -If you prefer, you may send a check, made payable to BSA, directly to Lihua Zhang at Bldg. 735. You may note which organization and which disaster you wish to donate to. Zhang will deposit the checks into a special BSA account, and matching contributions will then be forwarded to the selected organizations.

**OPTION # 3** - BNLers may also donate to other relief organizations online and forward the receipt to Lihua Zhang at Bldg. 735 for BSA matching.

**OPTION # 4** - Join us at one or all of the many relief fundraisers organized by various groups at BNL (see list below).

Donations will be collected **through June 13**, and all contribution amounts will be kept confidential. For further information, please contact Lihua Zhang at [lh Zhang@bnl.gov](mailto:lh Zhang@bnl.gov), Ext. 3512, or Beth Lin at [bylin@bnl.gov](mailto:bylin@bnl.gov), Ext. 3372.

**Events for Disaster Relief**

- Thursday, May 29<sup>th</sup> **Car Wash** - by the BVA & Motorcycle Club  
Bldg. 599 – Fire House, 11 – 1pm, \$5 minimum
- Friday, May 30<sup>th</sup> **TGIF Dance Social** - by the SCC\*  
Brookhaven Center, 7 – 11:30pm, \$15pp (includes cold buffet dinner)
- Saturday, May 31<sup>st</sup> **"Project Floyd" concert** – by the BNLMC\*  
Berkner Hall Auditorium, 8pm, \$15 or \$17 at door
- Thursday, June 5<sup>th</sup> **Family Movie Night** – by the IAA  
Biology Bldg. 463, Seminar Rm. 157, 5:30pm, \$5 minimum
- Saturday, June 7<sup>th</sup> **"BNL Cultural Concert"** – by multiple BNL & community groups\*  
Berkner Hall Auditorium, 7 – 9pm, \$12/15 at door, \$30/37 at door (family)
- Thursday, June 12<sup>th</sup> **International Lunch** – by ESOL, APAA, CSSA, & IAA  
Recreation Hall, 12 – 1:30pm, \$15pp

Also, please visit the **CSSA poster sessions** at the Berkner Hall lobby from 11:30 – 1:30pm on the following dates: May 27<sup>th</sup> & 28<sup>th</sup>, June 4<sup>th</sup>, 10<sup>th</sup>, & 11<sup>th</sup>.

*Sponsoring organizations include the following BERA clubs:*

*Chinese Students & Scholars Association (CSSA)  
Indo-American Association (IAA) & Yoga Club  
Social & Cultural Club (SCC)*

*Asian Pacific American Association (APAA)  
Brookhaven Veterans Association (BVA)  
Hispanic Heritage Club*

*BNL Music Club (BNLMC)  
BNL Cyclotrons Motorcycle Club  
Table Tennis Club*

*plus: English for Speakers of Other Languages (ESOL) & Qian Jin Foundation, Inc.*

*\*Open to the Public Event – All net proceeds will be donated to the BNL fund total and will be matched up to \$25,000 by BSA. Visitors to the Lab of 16 and older must carry a photo ID.*

# BERA TRIPS & EVENTS

## MAY-SEPTEMBER 2008

**Please purchase all event and trip tickets at the BERA Store, open Monday-Friday from 9am-3pm, in 488, ext. 3347.**

***\*~Trips will be sold beginning Friday May 23 at 9am~\****

***~\*4 ticket maximum for the first week of sales\*~***

***~\*No reservations without payment and all tickets are NON REFUNDABLE\*~***

- Young Frankenstein on Broadway (40). Mel Brooks' famous show at 3pm on Sunday June 29, 2008. \$145pp, (4 ticket max for the first week of sales) Only 40 Orchestra seats are available. Bus leave Brookhaven Center at 10am, and will leave at the conclusion of the show, about 5:30pm. The Hilton Theatre at 213 West 42nd Street in Manhattan. This show is recommended for audiences 10 years & older.
- Circle Line Cruise of NY City (55) Sunday July 13, 2008, PLUS Do-As-You-Please time in NYC. Bus leaves Brookhaven Center at 9am, Leaves NYC at 5:30pm. \$28pp. Cruise begins at 11:30am. 55 Tickets for a 2-hour city highlights tour with a close-up view of Lady Liberty. Sail down the Hudson, cruise around the Battery, up the East River

sail down the Hudson, cruise around the Battery, up the East River, and under the Brooklyn, Manhattan and Williamsburg Bridges to the United Nations and back. From Pier 83 at 42nd Street @ 12<sup>th</sup> on the Hudson River. There's time after the cruise to do as you please, such as the Hell's Kitchen Flea Market, or Restaurant Alley

<http://www.hellskitchenfleamarket.com/>

<http://restaurantrow.name/media/restaurantrow.html>

- Atlantic City (53) Saturday July 26, 2008. Casino on the Boardwalk to be determined. Leave Brookhaven Center at 9am, leave A/C at 8pm. ADULTS ONLY 18 & over. \$25pp. 53 Seats.
- DORNEY PARK, PA. Wildwater Kingdom (55) Friday August 1. \$35 pp adult or child. Leave Brookhaven Center at 7am, Leave PA at 6pm.  
<http://www.dorneypark.com/>
- Boston, Mass. OVERNIGHT trip! Join BERA on this great sight seeing tour of Boston on Saturday August 9 & 10, 2008. \$280 PP based on double, \$255pp triple, \$230 PP quad. Includes Port Jefferson Ferry, Motor Coach transportation, Duck Boat tour, lodging at the 1927 Boston Park Plaza Hotel, Lunch at Vinnie T's, full breakfast at the Hotel's Swan Café, and an all day City View Trolley ticket. Non-refundable \$50 PP deposit is due immediately, and payment in full is due by July 11.
- JERSEY BOYS! (40) The one everyone's been waiting for! 40 Tickets only for the Sunday August 17 3pm show. Mezzanine seats \$120pp. Leave Brookhaven Center at 10am, Leave after the show at

approximately 5pm. August Wilson Theatre 245 W. 52<sup>nd</sup> St.

<http://www.jerseyboysinfo.com/broadway/> Age 10 & over only.

- Renaissance Faire, Sterling Forrest, Tuxedo, NY Saturday August 23, 2008. \$20 PP for luxury coach & entrance. Leave Brookhaven Center 9am, Leave Faire at 5pm.
- US OPEN (57) on Tuesday 9/2/08 (Not a Lab Holiday) \$58 PP includes ticket & luxury coach bus. Leave Brookhaven Center at 8:30am, leave stadium 7:30pm. Section 311 & 312 in the Upper Promenade level.

<http://www.usopen.org/home/default.sps>

- NY City DINNER CRUISE on the Skyline Princess Friday 9/19/08. Cruise NY City from the World's Fair Marina from 8pm-12 midnight, enjoying a Dinner Buffet, Dessert, Coffee, Cash Bar, DJ dancing, motor coach transportation. The bus will leave Brookhaven Center at 6pm and leave Flushing at 12:15 am. (*Tentative price \$90 PP includes taxes*).  
<http://www.skylinecruises.com/> 21 & Over only.

- HOSPITALITY bus trip to NY City- Do-AS- You-Please on Sunday June 1. \$10pp. Leaves the APARTMENT area at 9am, leaves NY at 6pm Ext. 8481 for information.

<http://www.bnl.gov/hospitality/calendar.asp>

**\*~Trips will be sold beginning Friday May 23 at  
9am~\***  
**~\*4 ticket maximum for the first week of sales\*~**  
**~\*No reservations without payment and all tickets  
are NON REFUNDABLE\*~**



**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](mailto:pmanning@bnl.gov)**

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





# June 2008

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3 Physics Colloquium, "HERMES - more than a decade of pioneering research" Elke-Caroline Aschenauer, JLab, 3:30pm, Bldg. 510 Large Seminar	4	5 Vernon W. Hughes Memorial Lecture "Beyond the Standard Model: From g-2 to the LHC", John Ellis, CERN, 3pm, Bldg. 510, Large Seminar	6 C-AD AP Seminar "The LSST: A Window on the Stars", Michael Sivertz, 4pm, Bldg. 911B, LCR	7
8	9 BSA Distinguished Lecture "Network Science: From the Web to Human Diseases" A-L. Barabasi, Northeastern U., 4pm, Berkner	10 Physics Colloquium, "The Limits of Quantum Computers", Scott Aaronson, MIT, 3:30pm, Bldg. 510 Large Seminar	11	12	13	14  Flag Day

15	16	17	18	19	20	21
Father's Day	'2008 Open Science Grid Annual Meeting' 8:30am, Bldg. 510 Large Seminar	'2008 Open Science Grid Annual Meeting' 9:00am, Bldg. 510 Large Seminar  Annual Blood Drive, Center 9:30am- 2:45pm	C-AD BBQ Gazebo 12noon  Annual Blood Drive, Center 9:30am-2:45pm		Employee Lunchtime Tour - Bill Chaloupka, Water Treatment Plant. 12pm, Berkner Upper Lobby	Summer Begins
22	23	24	25	26	27	28
		Physics Colloquium, Szabolcs Marka, ColumbiaU., 3:30pm, Bldg. 510 Large Seminar	BSA Noon Recital "Pianofest" 12noon, Berkner  437 <sup>th</sup> Brookhaven Lecture, M. Rosenthal, NNS/ BNL, 4pm, Berkner			
29	30					



# July 2008

Sunday

Monday

Tuesday

Wednesday

Thursday

Friday

Saturday

		1	2	3	4	5
				Lab Holiday	 Lab Holiday	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
		Physics Colloquium "Dark Matters", M. Tytgat, Belgium, 3:30pm, Bldg. 510 Large Seminar	438 <sup>th</sup> Brookhaven Lecture, G. Xu, Condensed Matter Physics, 4pm, Berkner			
20	21	22	23	24	25	26
		Sambamurti Lecture "The whole story behind a half: The quest to understand the proton's spin", C. Aidala, U. of MA- Amherst, 3:30pm, Bldg. 510 Large Seminar	BSA Noon Recital "Pianofest" 12noon, Berkner			
27	28	29	30	31		
Parent's Day						



**We Remember**  
*Sept. 11, 2001*

**Editor: Pamela Manning x4072**