

# Particle Post July 2006

*One of the things I learned the hard way was that it doesn't pay to get discouraged.*

*Keeping busy and making optimism a way of life can restore your faith in yourself.*

*~Lucille Ball*

To review previous issues

## A Note From Our Chairman



Welcome back Pam. The Particle Post took an unexpected early vacation this year, but all is hopefully well now.

Congratulations to Haixin Huang and Kazuyoshi Kurita of Rikyo University for winning the 2006 Faraday Cup Award for developing an instrument called a proton-carbon Coulomb Nuclear Interference (CNI) Polarimeter for use in RHIC.

Both the RHIC and NSRL runs were very successful this year. Although we started off with a bleak financial outlook, thanks to Jim Simons et al we managed a superb performance. At RHIC we reached new luminosity and polarization records. We ran polarized protons at 100 GeV, 31 GeV for physics, established operations at 20 GeV for a likely low energy ion run in the future and established the capability of 500 GeV operations. Special mention has to go to Mei Bai and the operations crew for overcoming the difficulties produced by the weather and subsequent equipment failures to still establish 250 GeV polarized proton operations with 50% polarization, all in a period of about 6 days.

NSRL operation was again a great success supporting both the radiobiology program and the NASA summer school. Thanks to Adam Rusek and the crew.

It is summer time and its review time again. First we start off with our RHIC retreat on July 10-12. Next comes the DOE Nuclear Physics Science and Technology review on July 24-25, followed by the DOE NP EBIS CD2 review on July 26 and on August 14-16 we have the DOE Nuclear Physics Operations review. Finally on Sunday, August 20, we will host RHIC Summer Sunday. I would like to urge everyone to volunteer some time on Sunday to meet and greet the public. It is always a fun time. Give Yousef Makdisi a call and he will be more than happy to integrate you into the festivity.

Finally, I would like to thank everyone who organized, cooked and came to our summer barbeque. The weather was perfect, for a change, we had a great turnout of both current and past C-AD folks. Let's do it again next year.

Have a great summer.

## Administration



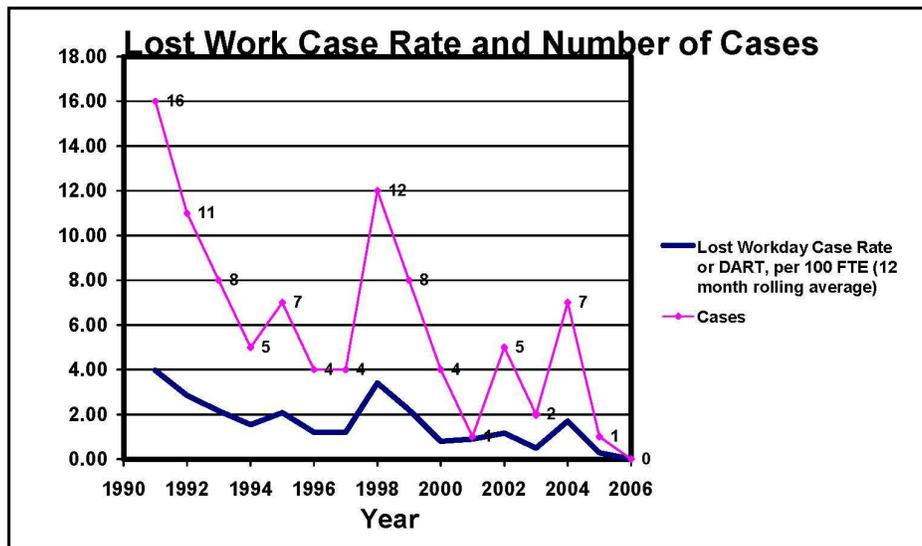
The financial picture for RHIC Run 6 is nearly complete. Thinking back to how our future looked in November 2005, I could not have imagined that we would be able to preserve staff, run RHIC and maintain momentum on R&D and machine upgrades. All of this and more has been possible. Our research collaboration with the Stony Brook provided an additional \$12M for operations, bringing FY 2006 funding for RHIC operations to \$105.5M. Fiscal constraints exercised earlier this year along with lower than estimated costs for electric power further improved our financial status. Year-to-date expenditures for RHIC Operations total \$74.3M; open commitments are \$5.4M. Total cost and commitment of \$79.8M is 76% of our budget.

Cost and commitment are beginning to roll in on EBIS. R&D funding in FY 2005 through 2006 totaled \$1.2M, more than half of which has been expensed and committed. Year-to-date expense for project engineering and design is \$.9M and nearly \$1M of the \$1.4M in construction funding supplied by NASA has been expensed or committed. We received very positive feedback on our progress at the DOE Review held on May 15<sup>th</sup> and 16<sup>th</sup>. An Independent Project Review scheduled for August is the last hurdle before achieving Critical Decision 2 – Approve Performance Baseline.

On the administrative staff, all budget and accounting functions have been organized under Darlene Sappo. Henry Biedenkapp, Nancy Boyle, Mary Ostensen and Ron Prwivo support Darlene in this function. Additionally, we were happy to welcome back Bob Van Wormer who has returned to C-AD to support scheduling efforts on both EBIS and RHIC II.

For those personnel in the Department with fiscal responsibilities, please note that your July financial reports will reflect the final budget trim for FY 2006. At this point in the year, budgets are known and labor cost for the balance of the year can be projected with some certainty. Thus, the funds available to support the remainder of your shutdown activities can be easily discerned. Should you desire assistance in reviewing the status of your accounts, please feel free to contact Darlene. She or one of her staff would be happy to assist you.

## Safety Stats



### C-AD Occupational Injury Statistics

For Year\* 2005      For Year\* 2006

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

\* Calendar Year

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

**NEXT EXCHANGE:** Have your TLD on its assigned badge board by

**Friday, August 4, 2006**

*Pete Cirnigliaro*

### C-AD SUMMER STUDENTS FY06

Student	Mentor
Brandon Belew	Christoph Montag (Operation Analysis, Accelerator Physics)
Brandon Buckley	Vladimir Litvinenko (Accelerator Physics)
Eli Carreiro	Tom Russo (Instrumentation & Beam Components)
Edward D'Azzo-Caisser	Dan O'ttavio (Controls Applications)
Julian Diaz	Vincent Castillo (Access Controls)
Clarence Dzubey	Tom Tallerico (Controls & Instrumentation, Cryogenic Systems)
Isadel Eddy	Kin Yip (Physics Support)
David Katz	Seth Nemesure (Controls Applications)
Jennifer Mabanta	Michael Sivertz (NSRL & Physics Support)

<b>Gavin McIntyre</b>	<b>Lou Snyderstrup (Mechanical Systems)</b>
<b>Eric Mis</b>	<b>George Mahler (Mechanical Systems)</b>
<b>Joel Morales</b>	<b>John Morris (Controls Systems)</b>
<b>Mwesigwa Musisi-Nikambwe</b>	<b>Jonathan Reich (Access Controls)</b>
<b>Randall Plate</b>	<b>Carl Schultheiss (Electrical Systems)</b>

## Arrivals

Tracy Blydenburgh will be moving to C-AD from the Safety and Health Services Division, on July 24, she will be working with Ray Karol in the ESHQ Division.

Nancy Boyle joined the Administrative Group on April 10, she is working with John Brinker.

William Jackson joined the Main Control Room on June 10, he is working with Peter Ingrassia.

Michael Lafky joined the Main Control Room on June 19, he is working with Peter Ingrassia.

Matthew P. Menga joined the Main Control Room on July 10, he is working with Peter Ingrassia.

Edward G. Pozdeyev joined the Accelerator Division on June 28 and will be working with Vladimir Litvinenko.

Bob Van Wormer transferred from the Physics Department of the Administrative Group on May 22.

**WELCOME!!**

## Transfers

Margaret Harvey, Machine Operations Group, has transferred to the RF Group on July 10th and is now in Room 201.

James Rank, Mechanical Systems Group, has transferred to the NSLS effective June 15.

## Departures

Anthony Nicoletti, Cryogenic Systems Group will be leaving the Lab on August 31st.

Brent Gingrich, RF Group left on June 2.

Charles Peters, Machine Operations Group terminated his employment on June 22.

Jesse Becker passed away after an illness on May 15. Jesse had been at the Lab since 1972. He will be missed.

## Get To Know Your Co-Worker

**Vadim Ptitsyn** works in the Accelerator Physics group working on projects like RHIC beam physics, RHIC operation and upgrades, and eRHIC. Vadim has worked at BNL for over 8 years. He and his wife Yuliya have two children Alyssa, 17, is a high school student interested in Biology and Chemistry; and Igor, 14, who is a soccer player. Vadim enjoys cooking, outdoors, reading and ice hockey.



**CJ Liaw** works in the Mechanical Systems group and has been at BNL for 14 years. He has designed and fabricated all the mechanical components for the SNS diagnostics instrument. Mechanical engineering support to many inhouse instrumentation upgrades, including RHIC Beam-Beam Long Range Compensator (BBLR) Project, Stochastic Cooling tank, Gamma Ray Motion detector, cold-to-warm power leads (12 x 150 & 6300 amp), ERL heat exchanger/piping system, ... etc. Conducted R&D on the stripping carbon foils for the SNS Project. Before starting SNS work CJ worked for the RHIC Detector group, primarily he developed and designed the mechanical system, including the support structure and the cooling systems of a novel Silicon Vertex Tracker (SVT) for the RHIC Star use. In CJ's down time he enjoys traveling, gardening and the Go game. He and his wife Yu-Sheng (Karen) have 2 children, Nicholas, 22, is graduating from Case Western Reserve University this summer with a major in Biomedical Engineering. He plans to attend a medical school this fall. Grace, 18, will be a sophomore in CWRU this fall. Her current interest is in economics and finance. Before coming to BNL, CJ graduated from Lehigh University with a Ph.D. in Mechanical Engineering and with 5 years experience in the aerospace and the PC board fabrication industries.



## Did You Know?

Haixin Huang, Injectors Group in Accelerator Physics, and Kazuyoshi Kurita of Rikyo University, Japan, are the recipients of the 2006 Faraday Cup Award. The two scientists shared the \$5,000 award, which was given by the Beam Instrumentation Workshop, an international forum on techniques for measuring charged particle beams produced in high energy accelerators, and donated by Bergoz Instrumentation of Saint Genis Pouilly, France. The workshop was held at Fermilab this year. The Faraday Cup Award is presented for outstanding contributions to innovative beam instrumentation. Huang and Kurita won the award for developing an instrument called a proton-carbon Coulomb Nuclear Interference (CNI) Polarimeter for use in RHIC. "I am very pleased to be chosen for this award, along with my colleague, Kazuyoshi Kurita, who worked for the BNL-RIKEN Research Center at the time we were developing the polarimeter," Haixin said. "The compact design of the polarimeter makes it economical, and it provides very precise measurement." [BNL Laboratory News 06-81 condensed.]

Did you also know that as part of BNL's commitment to environmental stewardship, each year the Environmental & Waste Management Services Division asks Departments and Divisions to nominate employees who have demonstrated an outstanding contribution in the areas of pollution prevention, recycling, waste minimization, energy conservation, compliance, or resource conservation. They evaluate the nominations and select several to be honored with the annual Environmental Stewardship Award. This years winners were selected from the largest set of nominations ever. Congratulations to all the winners but especially for the C-AD Team Award: Vincent Lo Destro, Brian Briscoe, and Walter Shaffer. "Congratulations Vince, Brian, and Walter. You were nominated by your peers to receive an Environmental Stewardship award for your hard work and persistence in planning and finding the funding to replace all PCB capacitors with non-PCB capacitors at the Linac, thereby substantially reducing the entire BNL PCB weight inventory by 83% and the number of inventoried PCB items by 50%." [Memo to D. Lowenstein from G. Goode 4/14/06 condensed.]

The next time you hand your children their allowance there's a very good chance they'll know more about how to spend it and why prices are what they are. Part of the reason for this monetary knowledge is a Web page designed to educate middle-school students about the purpose and functions of the Board of Governors of the Federal Reserve System. The Web page, just launched by the Federal Reserve Board, is designed in a user-friendly, question-and-answer format to ensure easy navigation and the ability to learn basic information about the Fed. The Web page ([www.federalreserve.gov/kids](http://www.federalreserve.gov/kids)) features highlights on the history, structure and primary functions of the Federal Reserve, the Chairman of the Board of Governors, and the structure of Federal Open Market Committee and a simplified explanation of inflation. Other features include a kids' quiz and links to valuable resources on the Federal Reserve Board's Web site [www.FederalReserveEducation.org](http://www.FederalReserveEducation.org).

Some pictures submitted by James Osterlund



American Woodcock - A fairly common bird in the marshy areas on site, but usually hard to spot because of their excellent camouflage. The first one stood in the road! (BNL N. Pittman/Raccoon Road). The second one is a much more typical sighting (BNL Fifth Ave).

Northern Bobwhite, (BNL RHIC 12:00).

*We wish all of you born in **MAY, JUNE & JULY**  
a happy and healthy year ahead.  
Birthday people ONLY click on cake*

Happy Birthday!!!



# C-AD Service Awards April, May & June

**10 years**

**Alireza Javidfar** (April)

**25 years**

**Michael Mapes** (May)

**30 years**

**Marion Heimerle** (June)

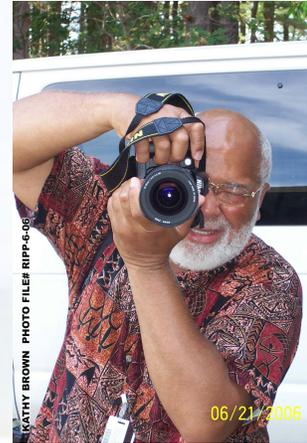
**10 years**

**Freddy Severino** (June)

## Congratulations!

Here are some photos taken by Ripp Bowman at the C-AD BBQ, June 21. Also, Larry Arnold has a great 13 minute DVD which will be available for viewing.





# Fun Time

Free JavaScripts provided

by [The JavaScript Source](#)

## Upcoming BERA Events

for August & September 2006

### ***Sweet Charity @ Gateway Playhouse – Friday, August 4, 2006 –***

Join BERA for a fun evening! Our personally catered tent party on the Bellport Gateway Playhouse front lawn will include wine, beer, soda and water along with cheese and vegetable/antipasto platters. The party begins at 6:30pm, followed by the 8:00pm performance of "Sweet Charity". All this for only \$53 per person!

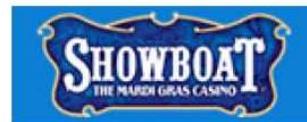


### ***Ellis Island & Statue of Liberty – Sunday August 6<sup>th</sup>, 2006***

Tickets are \$20 per person adult/child. Trip includes luxury motor coach, ferry tickets to both parks, and guided tours.

### ***Showboat Casino – Atlantic City Saturday, August 19<sup>th</sup>, 2006***

Enjoy the hottest casino, beach and boardwalk in Atlantic City! Tickets are \$10 per person, but wait!!! You get \$15.00 cash and \$5.00 food voucher, so you're already making money! Sorry – no children on this trip. Only 18 & over.



***Mets Baseball Game – Friday, August 25<sup>th</sup>, 2006*** - Tickets are \$45 per person for mezzanine level box seats and includes the coach bus which leaves from Brookhaven Center at 4:00pm and will leave the stadium no later than 11:00pm.



### ***Belmont Racetrack - Saturday, September 23, 2006 –***

A day at the Races!!! Belmont has a gorgeous park with access to the paddocks, saddling area, playground, and more! A full Buffet Luncheon including taxes and gratuities, and a program. Stay in the dining room to see all the races or move outside. First race is at 1:00 pm; last race 5:00pm. The coach bus will leave Brookhaven Center at 10:30am and leave Belmont at 5:30pm.



### ***West Point Football Game – Army vs. Kent State – Saturday, September 9<sup>th</sup>, 2006–***



Tickets are \$25 per person. This covers the luxury bus transportation and game tickets...Section 32! Bus departure to be announced.



tickets...Section 32! Bus departure to be announced.

**Advanced tickets are necessary on all BERA trips and may be purchased at the BERA Sales Office, Monday-Friday, between 9:00am-3:00pm. Call Extension 3347 for additional info.**

**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:**



## July 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5	6	7	8

9	10	11	12	13	14	15
16	17	18	19 Brookhaven Accelerator Forum "Accelerator Science at the LHC Frontier", S. Peggs, 4pm, B. 911A Snyder	20	21 Employee Lunchtime Tour of PHENIX, 12pm, Berkner	22
23	24	25 AP Seminar "Modeling the emittance evolution of the Fermilab Booster" S.Y. Lee, Indiana U., 11am, B.911A, Snyder Seminar	26 AP Seminar "High Brightness ERL Injector Development and ERL Planning at Cornell" C. Sinclair, Cornell U., 4pm, B.911B, LCR	27 6th Annual Student BBQ at the Gazebo, 5:30pm (Rain Date Aug 3)	28 90th Birthday Celebration for Gerhart Friedlander, Noon, Bldg. 555	29
30	31					



## August 2006

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16 Health Promotion Lecture "Elder Law Series", Nancy Burner, Noon, Berkner, Room B	17	18	19
20	21	22	23	24	25	26

27	28	29	30	31		
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**We Remember**  
*Sept. 11, 2001*

**Editor: Pamela Manning x4072**