

Particle Post June 2010

*"In the practice
of tolerance,
one's enemy is
the best
teacher."*

~Dalai Lama

Previous issues

Note from the Chair



We are getting to the end of an exceptionally successful RHIC run, the culmination of the first decade of RHIC. RHIC broke new luminosity records first during the 100 GeV/n run and then at every step during the energy scan. This run was also marked by a very good up time – all the work on the RHIC power supplies is clearly paying off.

Please come to Berkner Hall next week on June 10 and 11 where we will be celebrating not only the first decade of RHIC but also five decades of the AGS and the 90th birthday of Ernest Courant.

Administration



The overall financial health of the Department is good. RHIC operating funds are sufficient and a number of significant accelerator improvement projects are in process. Shutdown plans are ambitious and, thankfully, minimizing purchases has not been an essential consideration.

As we begin efforts for the FY 2010 shutdown, I urge you to include Ann Lamberti in the procurement planning process. Ann and her group can best support you if critical and/or time sensitive purchases are brought to their attention.

Similarly, Procurement can best support the Department if we are able to provide a single prioritized list of critical procurements.

I enumerate below the actions you can take to ensure that your orders are processed promptly and the goods and services you request are procured on schedule.

(1) Complete the requisition.

Incomplete WEB requisitions cannot be submitted to PPM. If you have failed to respond to a question or provide a required input, your requisition will be held until we are able to contact you and complete the document.

(2) Provide a due date.

Enter the date by which the material or service is needed and provide an explanation to the buyer such as “material needed by August 31 in order to complete repair within the shutdown schedule”. Because the due date defaults to today’s date, procurement personnel do not interpret today’s date as an urgent request but as the result of your failure to communicate your delivery requirements.

(3) Provide all required attachments.

PPM will not initiate any activity until all of the required documentation has been submitted. Thus, if a statement of work, sole source justification or technical specification is required, the document should accompany the WEB Requisition as an electronic attachment.

(4) Follow up on your procurements.

Do not assume “no news is good news”. Review the status of your requests on a regular basis and investigate any processing or delivery delays. A requisition status report is generated weekly and posted to C-AD’s Administrative Web Site. Alternately, savvy system users may choose to generate their own report or inquire about a specific order. In all circumstances, my staff is available to assist you, pulsing procurement personnel and expediting urgent requests.

(5) Process invoice approvals on a timely basis.

As payment generally follows the receipt of material, requestors are not highly motivated to review and approve vendor invoices. Please note, however, delayed payment for your materials, may have an impact on the delivery of materials for someone else on site. Vendors view BNL as a single entity and may choose to suspend all deliveries to BNL until an outstanding balance is paid.

Operations by Paul Sampson

June marks conclusion of a very successful run 10. The gold run in RHIC ended following an

extended machine development period in which very low beam energy (5 GeV/n CM) was explored. Prior to that development period, RHIC successfully ran Physics at 200, 64, 39, 11.5 and 7.7 GeV/n CM. Operations successfully delivered beam at a high reliability rate despite the very short store length at the lower energies. While typical store at 200GeV CM would last several hours, one at lower energy could be as short as 10 minutes.

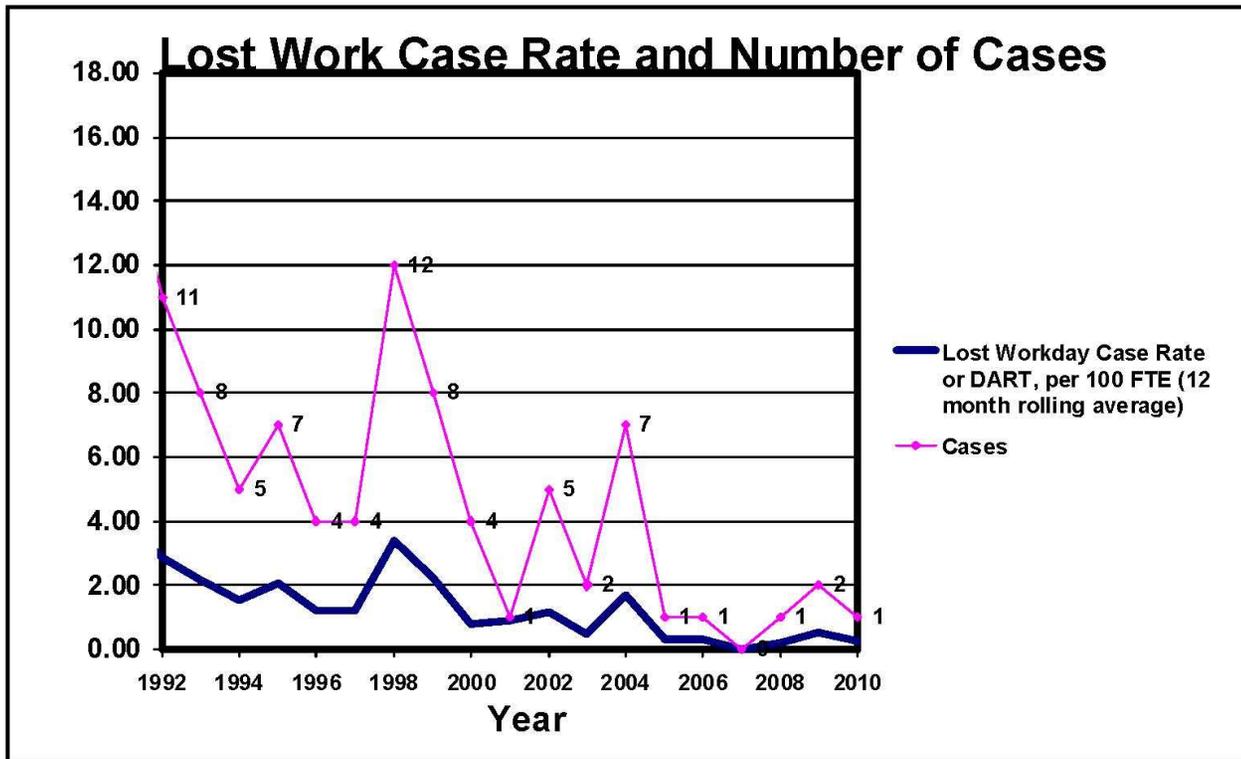
Another ambitious shutdown began on June 9th with major works on the RF system and in the RHIC ring already underway.

While RHIC is already in shutdown mode, the injectors are still running with beam. LINAC, Booster and AGS are delivering Polarized Proton beam for studies through June 11th. NSRL will continue to run with beam delivered from the Booster using beam from the LINAC until June 18th and ions from the Tandem Van de Graaff until the end of the month.

EBIS commissioning is underway and will continue throughout the month. Presently final installations are in progress at EBIS and in the Booster ring. Beams have been run through the RFQ and transported to the EBIS LINAC, which was installed into the beam line last week. Commissioning efforts are ramping up as injection into the Booster approaches.

Updates about the specifics of the RHIC Run can be found on the Run-10 WEB page <http://www.cadops.bnl.gov/AP/RHIC2010/> .

Safety Stats



C-AD Occupational Injury Statistics

| | For Year* 2009 | For Year* 2010 |
|------------------|----------------|----------------|
| First Aid Cases | 5 | 0 |
| Recordable Cases | 2 | 1 |
| Lost Work Cases | 2 | 0 |

* Calendar Year

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

EXCHANGE DATE: FRIDAY, JULY 2, 2010

Pete Cirnigliario



Arrivals

Jeffrey Stewart joined the department on May 24. He is working with Andy Warkentien in the Cryogenic Systems Group.

Chuyu Liu joined the department on June 1. He is working with Michiko Minty in the Instrumentation Systems Group.

Tianmu Xin joined the department on June 1. He is working with Ilan Ben-Zvi in the Accelerator R&D Division.

Summer Students Arrivals

Ahmed Barry joined the department on June 7 as a Student Collaborator. He is working with Masahiro Okamura in the Linac Group.

Patrick Bynum rejoined the department on May 24 as a Student Assistant. He is working with Nick Franco in the Communications & Electronic Support Group.

Kendra Jones joined the department on June 1 as a GEM Fellow. She is working with John Morris in the Controls Systems Group.

Kyle Kulmatycki joined the department on June 1. He is working with Nick Franco in the Communications & Electronic Support Group.

Javaid Mir joined the department on June 7 as a Student Collaborator. He is working with Joe Aronson in the Controls Systems Group.

Andrew Mock joined the department on June 1 as a Student Collaborator. He is working with Joe Tuozzolo in the Accelerator Division.

Jonathan Pai joined the department on June 7 as a Student Collaborator. He is working with Gary McIntyre in the Collider/SRF Mechanical Group.

Theodoro Samms joined the department on June 1 as a Co-Op Engineer. She is working with Don Bruno in the Electrical Systems Group.

Mark Taddonio joined the department on June 7 as a Student Collaborator. He is working with George Mahler in the Mechanical Systems Group.

Eric Terpening joined the department on June 7 as a Student Collaborator. He is working with Kin Yip in the Experimental Support & Facilities Division.

Xiao Xu joined the department on June 7 as a Student Collaborator. He is working with Carl Schultheiss in the Electrical Systems Group.

Evgeny Yakimenko joined the department on June 7 as a Student Collaborator. He is working with Vladimir Litvinenko in the Accelerator R&D Division.

WELCOME!

Departures

Jodi Belz, Co-Op Engineer working with Jonathan Hock will be leaving on June 25.



[RHIC Newsletter](#). Please click on link to the left to view the latest web publication of RHIC News.

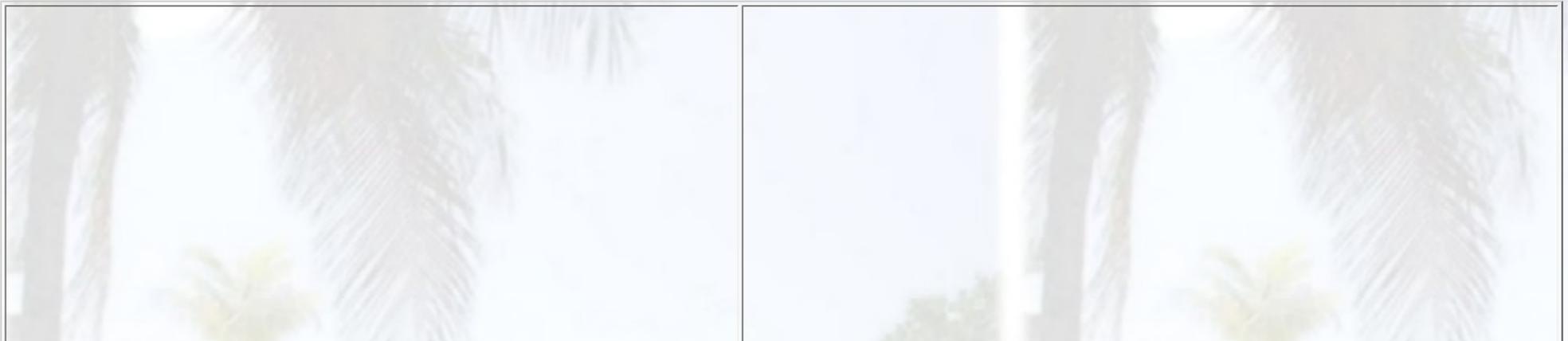


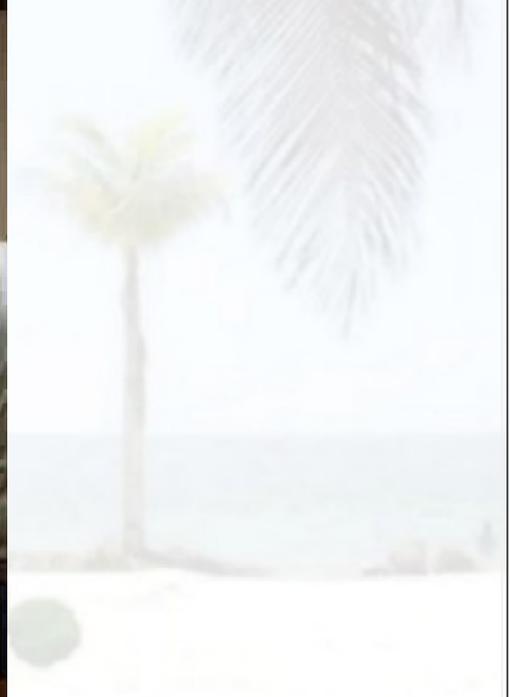
*We wish all of you born in **June**
a happy and healthy year ahead.
Birthday people ONLY click on cake*



Get To Know Your Co-Worker

Nick Weih, Electrical Design, has worked at BNL for 15 years. He mainly works on the arc flash - new drawings and updating old drawings. Nick has worked in the Magnet Division and for the RHIC Project. His duties included being responsible for electrical schematics and wiring diagrams for power supply controls and cable runs for entire RHIC tunnel and mechanical drawings for cable tray runs, chassis drawings, power supply building layouts and conceptual drawings for presentations. Nick also provided documentation for SSC and RHIC Magnet test fixtures. Nick has 3 stepchildren with his wife Ronnie who is an Office Manager for a Chiropractor: Stella is a Production Manager for Discovery channel and her husband Rob is a Science & Math teacher; Richie is a Chef currently living in Ireland; Anthony is a Furniture Salesman and his wife Jessica is a Care-Giver for an Assisted Living Facility. Nick enjoys landscape and seascape oil paintings as is evident in his work and the article written for Brookhaven TODAY. Nick also has a ten minute video on You Tube <http://www.youtube.com/watch?v=4v6ZyLFM9eg>. You can also visit Nick's web page at <http://www.aviewoncanvas.com/> and click on the You Tube link there. Nick is also in the process of compiling information for a book, 'Oil Painting for Beginners' that should be coming out later this year. Here are some photos of Nick and his family.







C-AD Service Awards May

| | |
|----------|------------------|
| 25 years | Roger Katz |
| 10 years | Anatoli Zelenski |

Congratulations!



Fun Time

Play the classic game of Blackjack in JavaScript! (You might also know it as "21"). The object of the game is to get the closest to 21. If you get higher than the dealer without going over, you win! Good

luck, and don't gamble. J

| | | | |
|--------|--------|--|----------|
| Score: | Dealer | | Card(s): |
| | Player | | Card(s): |
| | | | |

Free JavaScripts provided

by [The JavaScript Source](#)



Leif Ahrens, Injectors Group in Accelerator Physics Division, son Mark Ahrens graduated from Ithaca College with a degree in creative writing and other things. Here he is seen surrounded by his amazed family.



Nancy Boyle, Administrative Group and Brian (LS), daughter Kristin Boyle will be graduating from Longwood High School. She will be attending Suffolk Community College in the fall leading to a degree in Math Education.



Vincent Castillo, Access Controls, daughter Jerri A. Castillo graduated with a MFA (Master of Fine Arts) from American University, Washington, DC, on May 9th.

Did You Know



Paul Callegari, Water Systems Group, daughter Diana married Don Cuozzo on May 16, 2010. Here are a few photos.

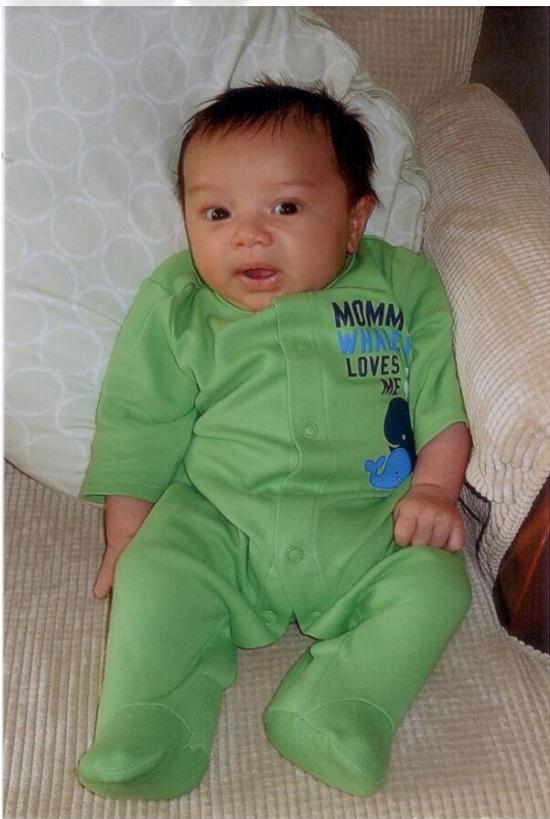


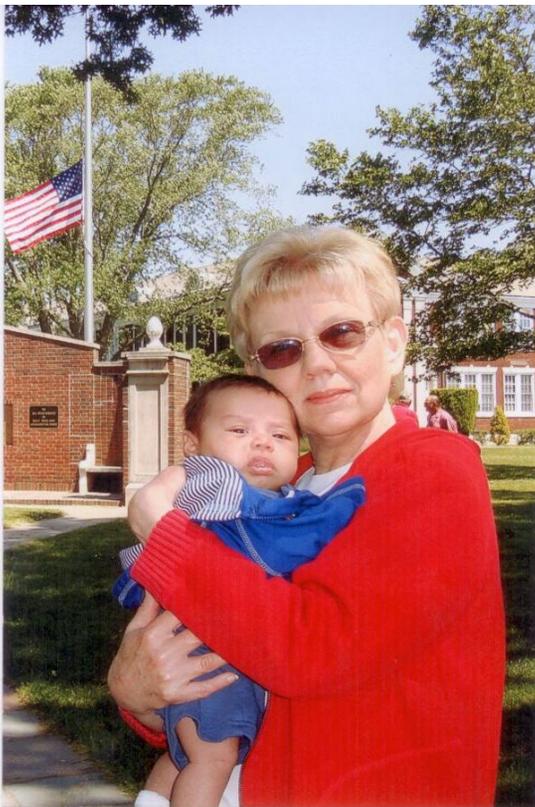




Paul Sparrow, Facilities, is sharing

some pictures of his grandson James:





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. 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 replenish the food supply for those in need.

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

Thank you.

From: Carter, Christine B
Subject: BERA UPDATE! June 1, 2010

***PERKS-Cards** are now available for you to activate/register at the BERA Store offering many national & local discounts.

***Membership drives** will be happening in JUNE at Berkner Hall 488 from 11am-1:30pm!

Sam's Club on 6/18 \$40+ tax,

BJ's 6/25 \$ 38.03

Costco on 6/30 @ \$50+ tax

{Please be aware of the BERA trip/participation/baseball game policy. http://www.bnl.gov/bera/linkable_files/RulesForParticipationOnBERA-Trips.pdf }

***TRIPS:**

***2 METS games** for 2010 will be on sale Friday June 4, 2010 at 9am at the BERA Store.

2 tickets per person, per game for the first week of sales

:

- Tuesday July 27 vs. Cardinals: Leave BNL 4pm for a 7:05pm start, leave after the game, no later than 11:30. Promenade reserved Section 521 \$43 ea.

21 & over, or acc. by a parent

- Friday Aug 13 vs. Phillies Leave BNL 4pm for a 7:05pm start, leave after the game, no later than 11:30. Promenade reserved Section 521 \$38 ea. 21 & over, or acc. by a parent

- Atlantic City Saturday June 12, 2010

Leave Brookhaven Center at 9am, Leave A/C at 8pm. \$25 pp

21 and older only. Resorts is offering \$20 Slot Play ticket. 52 on the bus only.

- Addams Family Show time is 3pm on Sunday July 25 at the Lunt Fontanne theater.

205 w. 46th st. @ Broadway <http://luntfontannetheatre.com/>

Leave Brookhaven Center at 10:30am, Leave after the show at about 5:30pm.

55 tickets \$107.00 pp

- Promises Promises Show time is 2pm on Saturday July 10 at the

<http://www.promisespromisesbroadway.com/> The Broadway Theatre Box Office is located at 1681 Broadway (between West 52nd and 53rd Streets). Leave Brookhaven Center at 9am, leave after the show at about 4:30pm. 55 tickets \$116.00 pp

- NY Yankees IN BALTIMORE, MD. -BNL Travel Club weekend trip to Baltimore to see the NY Yankees!



Swimming Lessons & BERA Summer CAMP

for employee's children 5-13 years old: <http://www.bnl.gov/bera/recreation/forms.asp>

SPLISH SPLASH!!!! \$24/\$30 at the BERA store, or buy ON LINE for add'l \$1 off. BNL code: 2010106

<https://tickets.splishsplashlongisland.com/Webstore/shop/ViewItems.aspx?CG=CONS&C=CONTKTS>

Borrow a Bike Program: This program is only for those *without* a car.
<http://www.bnl.gov/bera/recreation/bicycle.asp> For information please call ext. 8481.

WEIGHT ROOM:

The 2nd floor mezzanine remains closed at this time. An email & home page update will be sent when any action takes place.

***DISCOUNTS** \$8.50 Movie Tickets, Aboff's Paint Stores, Restaurants, Clothing and more! <http://intranet.bnl.gov/bera/recreation/discounts.asp>



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

Picture this! You, an exotic locale and a camera

Originally published: May 14, 2010 3:34 PM

Updated: May 14, 2010 5:02 PM

By MERLE ENGLISH Special to Newsday

Quick Summary

Retirement, a zest for travel and a passion for photography has given these Long Islanders new focus.



Photo credit: Richard and Carol Witkover | Carole and Richard Witkover appear to be posing with Masai guards at a hollowed Boobab tree just outside [Tanzania](#) National Park in 2006. But who's behind the camera? The answer is: He took a picture of her with a guard and she took a picture of him with a guard. He then used Photoshop magic to pull the two pictures together. (2006)

Holly Gordon wanted to welcome the new millennium in a place few humans have seen up close. She chose Antarctica, hoping to capture on camera scenes from the white continent in the last moments before the year 2000.

"I wanted to go where most people don't go, where the land is unblemished; the coldest, harshest, windiest, driest and most mountainous place on Earth," the retired art teacher from Bay Shore said. "I was there to photograph the last sunset of Dec. 31, 1999."

Some of Gordon's award-winning images from her remote trips are in traveling exhibitions. One show, "Galapagos: Face to Face" is on permanent display at the Long Island Science Center in Riverhead.

Like Gordon, Carole and Richard Witkover share a passion for photography and world travel. Among their souvenirs are the striking images from their explorations that they enjoy sharing with the public.

From their adventures in [Africa](#), [Peru](#), [Vietnam](#), the Galapagos and beyond, the Commack couple has created multimedia shows that will be featured in local libraries through September. (See the schedule at witkover.com/WTA-Show-and-Exhibition-Schedule.htm.) Highlights include the couple's interaction with native people, colorful portraits and distinctive landscapes.

Retirement allows the Witkovs and Gordon, who have never met, to indulge their dual interests. Gordon, who gives her age as "in my 60s, going on 18," taught middle school and high school students in the West Babylon School District. Carole

Witkover, 71, was a special-education teacher with United [Cerebral Palsy](#) of Suffolk. Richard, 72, was a physicist at Brookhaven National Laboratory for 34 years. What these shutterbugs also have in common is an appreciation of digital technology, which they use to enhance and sometimes change their images. The technology, they say, is taking them to new levels of creativity.

"Digital manipulation is a mind-boggling creative journey via the computer," Gordon said. "I've used a variety of digital techniques to alter my images so they look like pen and ink drawings or water color or oil paintings. . . . I've changed the sharpness of the image." However, she said none of her Antarctica images, which "capture the vastness, pristine beauty" of the frozen desert, was digitalized.

In the interest of full disclosure, Gordon labels her altered images as such. "You do what you need to do to make your image what it is; you just don't lie about it," she said.

That's also Richard Witkover's view. "I feel strongly that even cosmetic enhancements cannot be used in any situation where the image might be used for documentation, such as in a newspaper," he said. Many of the cosmetic changes he makes involve intensifying colors for a more dramatic effect.

The Witkovs became photography hobbyists in 1978, while he was a visiting professor on a four-month cultural exchange program in Japan. "We were totally immersed in a very different society than what we had known before," he said. "I bought a sophisticated camera and started seriously taking pictures." His wife, who scouted out interesting sites for him to photograph, soon got her own camera.

"We wanted to learn more about photography, and we wanted a venue to show our pictures," Richard recalled, so in the late 1980s, they joined the Huntington Camera Club. Lectures and monthly juried competitions helped them hone their techniques.

Each year, the Witkovs take at least one major trip, traveling mostly with photographer friends. They've been in Turkey, [Israel](#), [Africa](#) and New Zealand. Last year, the couple explored the [Amazon River](#) and Machu Picchu in [Peru](#). In January, they were in [Belize](#), [Guatemala](#) and Honduras, visiting Mayan ruins and villages.

"We try to go beyond postcard images to capture the spirit of the place and people and tell a story," Richard said. "We use modern computer techniques with multiple soundtracks for narration and background music," for their shows. They've made DVDs and packaged "Witkover Travel Adventure Shows" (witkover.com), based on their expeditions. The goal, Carole said, is "to spread tolerance and understanding through art."

Gordon, a member of the Nature and Wildlife Photographers of Long Island, travels on her own or with small groups of nature lovers. She said she shoots "with an artist's eye."

Gordon's exhibit, "Antarctica: Journey to the Extreme" is the artistic product of her trip there. "It's all blue and white. The icebergs are like marvelous sculptures amid the chunks of ice in the water," she said. "And the sky, the clarity of it was unbelievable." The exhibit at fotofoto Gallery in Huntington closes tomorrow, but the images can be seen on her website, hollygordonphotographer.com.

The Witkovers and Gordon realize the importance of keeping fit to pursue their endeavors. Lugging 15 pounds of gear in a backpack while carrying a full duffel bag helps Gordon stay in shape. "If more people realize that by being active participants in life, they are enriching their bodies, they can be active much longer," Gordon said.

Richard Witkover keeps living the dream, despite three knee surgeries and [cataract](#) removals.

"Having found this hobby to do together has given greater meaning to our retirement and an added dimension to the marriage," Carole Witkover said. "We redefined ourselves in our retirement."

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





June 2010

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|---------------------------------------------------------|
| | | 1 | 2 | 3 | 4 | 5 |
| | | | | | Plant Swap 12pm Berkner Parking Lot | |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | | | Physics Colloquium "Heavy Flavor Production in STAR via Non-Photonic Electrons and Electron- Hadron Colliders", Huan Huang, UCLA, 5pm, Bldg, 510 Large Seminar | | | |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| | Flag Day | BNL Blood Drive 9:30am-3pm Center Physics Colloquium "High resolution timing in photon detection - a new frontier in physics", Jaroslav Va'vra, SLAC, 3:30pm, Bldg, 510 Large Seminar | BNL Blood Drive 9:30am-3pm Center C-AD Annual BBQ, 12noon, Gazebo 458th Brookhaven Lecture 'TBD', Mary Bishai, Physics Dept., 4pm, Berkner | 5th Vernon Hughes Memorial Lecture 'Particle Physics Without Energy Restrictions', Gerald Gabrielse, Harvard U., 3pm, Bldg. 510 Large Seminar | Acoustic Bluesman Paul Geremia to perform at 8pm, Center | The 1st Young Musician's Showcase, 7pm Berkner |

| | | | | | | |
|--------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------|----|----|
| 20 Father's Day | 21 Summer Begins | 22 | 23 | 24 Brookhaven Women in Science (BWIS) Event, Robert Lang to speak on Modern Science of Origami, 4pm, Berkner Auditorium | 25 | 26 |
| 27 | 28 | 29 Physics Colloquium "A Real Time Quantum Field Theory Study of Neutrino Oscillations", Jimmy Hutasoit, Carneige Mellon U, 3:30pm, Bldg, 510 Large Seminar | 30 | | | |



July 2010

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|----------|--------|----------|
| | | | | 1 | 2 | 3 |
| 4 Independence Day | 5 Lab Holiday | 6 Lab Holiday | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 Physics Colloquium 'Paul Dirac and the religion of mathematical beauty', Graham Farmelo, Northeastern U., 3:30pm, Bldg. 510 Large Seminar | 14 | 15 | 16 | 17 |

| | | | | | | |
|----|----|----|--------------------------------------------------------------------------|----|----|----|
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| | | | 459th Brookhaven Lecture 'TBD' James Alessi, C-AD, 4pm, Berkner | | | |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |



We Remember
Sept. 11, 2001

[USS New York](#) - A ship forged from the steel of the World Trade Center

Editor: [Pamela Manning](#) **x4072**