



U.S. Representative Sherwood Boehlert.

Distinguished Visitors, Users Discuss Physics At Annual RHIC, AGS Users' Meeting August 9, 10



U.S. Representative Felix Grucci and BNL Director John Marburger.

"It has been a good year for physics," observed Jim Thomas, Chair of the RHIC & AGS Users' Committee, who opened the users' August 9 & 10 annual meeting.

While awaiting the arrival of the meeting's distinguished guests — U.S. Representatives Felix Grucci (1st District, New York) and Sherwood Boehlert (23rd District, New York), who are, respectively, a member and Chairman of the House Science Committee — Thomas cited the success of gold-gold collisions at the Relativistic Heavy Ion Collider (RHIC), the theory-rocking finding announced last February by the g-2 experiment at the Alternating Gradient Synchrotron (AGS), and improved communications between users of these machines and the Laboratory administration.

"This is a very important time in the history of the Laboratory," said Lab Director John Marburger.

Commenting on RHIC's first run, he said, "It's amazing how just a few days of running can produce such good physics."

Marburger also remarked on the excitement surrounding his own pending nomination to be science adviser to President George W. Bush. Marburger said that he is working hard to understand how things work in Washington, and that he hopes to help fill some of the nation's



Joseph Rubino CNE-254-01



Joseph Rubino CNE-263-01

(Far left) Dennis Kovar, Director of the Division of Nuclear Physics in DOE's Office of Science.

(Left) Alice Migner, Program Director in the National Science Foundation Division of Physics.



Joseph Rubino CNE-511-01



Joseph Rubino CNE-278-01

(Far left) Jim Thomas, Lawrence Berkeley National Laboratory, Chair of the RHIC & AGS Users' Committee, with Thomas Ludlam, BNL Physics Department.

(Left) Thomas Kirk, BNL Associate Laboratory Director for High Energy & Nuclear Physics.

important science posts if he should be confirmed.

His remarks also indicated that he would be a strong advocate for basic physics. "It's important for the U.S. to stay in the lead," he said.

Support in Washington

When the representatives arrived, Grucci spoke first, acknowledging Marburger's leadership at the Lab and his possible

future contributions as the presidential science adviser. Given the possibility of Marburger's departure, Grucci acknowledged, "This is a bitter-sweet time at the Lab."

He went on to describe the Lab as "a vital part of our community in many ways," pointing out the contributions that BNL and its employees make to the local economy, schools, charitable organizations, and more — not to mention the science.

As Grucci explained: "The work at this Lab is second to none in the world. We are already on the leading edge, and we could be on the cusp of great breakthroughs."

Representative Boehlert took a similarly supportive stance, saying, "An investment in science is an investment that pays off long term."

Boehlert tried to allay fears that the budget would short-change certain areas of science, including physics. "The initial budget request had to be put together very quickly," he said. While he acknowledged that it was rather skewed, without enough investment in the infrastructure of science,

he was optimistic that the picture would change.

Boehlert then refocused attention back to physics, which was also the point of his day at the Lab, saying, "I am here to learn and soak up everything I can . . . What you do every single day means a lot, not just to your families, the community, and this state, but to the future of mankind."

Report from DOE

Dennis Kovar, Director of the Division of Nuclear Physics in DOE's Office of Science, then reported on activities supported by his division over the past year. He highlighted the "spectacular" results from the Sudbury Neutrino Observatory (SNO), as well as at RHIC, saying, "All DOE facilities are performing well, even with constrained resources."

Based on goals set in 1996, Kovar said, "We have done a remarkably good job," building new tools to do physics, phasing out old facilities, and strengthening international collaboration.

He added, "We have developed a whole new generation of

accelerators that position us to play a world-class role."

'I hear you'

But Kovar acknowledged that progress could be limited by budgets that are flat despite increases in the cost of living. With facilities such as RHIC and the AGS operating "below max," the research output, according to Kovar, is actually decreasing.

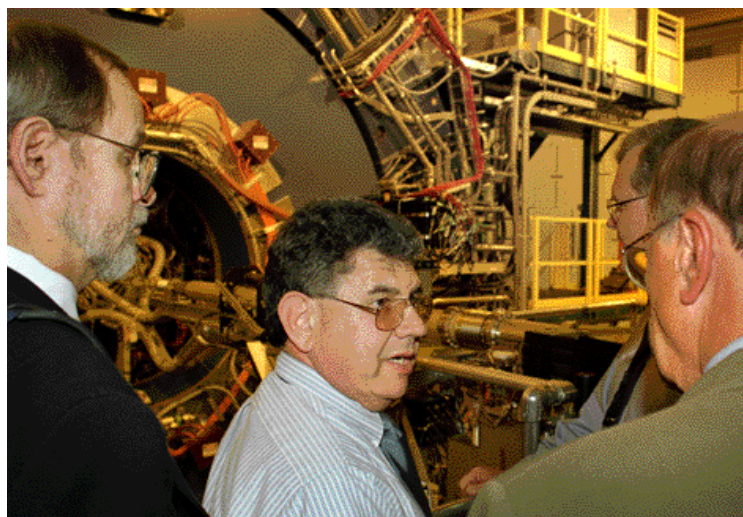
"We're going to have to make some tough decisions," he said, adding that some low-energy programs might be cut.

Since "it makes no sense to run a machine if you can't extract the science," Kovar does not favor cutting funds for researchers.

"The nation deserves and expects that we are going to be productive, and we'll figure out how to do that with the money we have," he said. But, he emphasized, the opportunities for discovery are so compelling "that it's worth a larger investment."

At the conclusion of Kovar's remarks, Representative Boehlert again took the stage to say, "I hear you, and we'll do the best we can."

(continued on page 2)



At the RHIC STAR detector are: Dennis Kovar, Director, Division of Nuclear Physics, DOE's Office of Science; Derek Lowenstein, Chair, BNL's Collider-Accelerator Department; Timothy Hallman, BNL Physics and STAR Deputy Spokesman; and U.S. Representative Sherwood Boehlert.

Roger Stoutenburgh CNE-537-01

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 information.
- Calendar events flagged with an asterisk (*) have an accompanying story in this week's Bulletin.

— EACH WEEK —

Monday: Arts & Crafts

2-3 p.m. Rec. Bldg. \$5 per month covers materials. "Make Your Own Teddy Bear I" begins on September 10 and runs through September 24. Marcia Leite, Ext. 1040, mhsleite@hotmail.com.

— Hospitality event

Tuesdays: Welcome Coffee

10-11:30 a.m. Rec. Bldg. New-comers meet friends. Mimi Luccio, 821-1435.

— Hospitality event

Tuesdays: Yoga Practice Sessions

12-1 p.m., Brookhaven Ctr. North Room. Free. Ila Campbell, Ext. 2206.

*Wednesdays: BNL Ballroom, Latin & Swing Dance Club: beginner to advanced lessons

Register now for series 1 of the 10th anniversary 2001-02 season, which starts on Wednesday, September 12 (see page 3). North Ballroom, Brookhaven Center. Marsha Belford, belford@bnl.gov or Ext. 5053; Ron Ondrovic, ondrovic@bnl.gov, Ext. 4553; Sue Perino, perino@bnl.gov, Ext. 2483.

Wednesdays: Cooking Exchange

2-3 p.m. Rec. Bldg. \$1 per evening covers the cost of ingredients. Marcia Leite, Ext. 1040, mhsleite@hotmail.com.

*Wednesdays: Weight Watchers

noon-1 p.m., Brookhaven Center South Room. New registration 9/5. See notice, age 3. Mary Wood, Ext. 5923.

*Mon., Tues. & Thurs.: Kickboxing

\$5 per class. Starts again in September. See notice, page 3. Mary Wood, Ext. 5923, or wood2@bnl.gov.

— NEXT WEEK —

Monday, 8/27

IBEW Meeting

6 p.m., Knights of Columbus Hall, Railroad Ave., Patchogue. A meeting for shift workers will be held at 3 p.m. in the union office. The agenda includes regular business, committee reports, and the president's report.

Tuesday, 8/28

Voicestream Wireless Demo

10 a.m.-2:30 p.m., Berkner Hall. Special rates to BNLers on their wireless network. Richard Goll, (516) 343-5900.

Loyal Business Machines Demo

11 a.m.-3 p.m., Berkner Hall. A representative will demo digital copiers, color copiers, faxes, and KIP wide-format reprographic systems. For more information, contact Joe Fazio, 422-6200.

U.S. Representative Boehlert Visits BNL



Roger Stoutenburgh CNE-165-01

On a tour of BNL on August 9, U.S. Representative Sherwood Boehlert (left) and BNL Director John Marburger viewed a poster exhibited by Miguella Mark-Carew, one of the approximately 80 students participating in three summer programs run by BNL's Office of Educational Programs: the Community College Institute for Biotechnology, Environmental Science & Computing; the Pre-service Teacher Program; and the Energy Research Undergraduate Laboratory Fellowships.

RHIC, AGS Users' Meeting

(cont'd.)

NSF Support

In a presentation on the role of the National Science Foundation (NSF) in nuclear physics, Alice Mignerey, Program Director in the NSF Division of Physics, commented upon several programs outside the major funding "pot" that could give researchers — particularly those with university collaborators — access to additional money.

These included: information technology research, which she pitched to RHIC computing researchers; physics frontiers centers; and funding for major research instrumentation, which contributed significant funds to develop the end-cap calorimeter at RHIC's STAR detector.

"It's hard to plan when things are so uncertain," she admitted, but said she sees some signs of hope in both the Senate and House markups of the initial budget request.

Long-term plans

Thomas Kirk, BNL Associate Laboratory Director for High Energy & Nuclear Physics, then offered his view of BNL's long-term physics plans. He listed many compelling physics objectives, including extending the RHIC program, developing a muon storage ring, pursuing a large role for BNL in the ATLAS experiment at CERN's Large Hadron Collider, and hosting an array of experiments at the AGS.

The key to all of this, Kirk believes, is continued development in accelerator and detector technology, theory, and the necessary supercomputing. "BNL and its users embody all three elements, and we intend to keep fostering their development," Kirk said.

As he also pointed out, two new NSF-sponsored AGS experiments, MECO and KOPIO, appear to be delayed by funding changes in the NSF fiscal year

2002 budget. Both MECO and KOPIO are expected to address important questions and further scientists' understanding of the basic structure of the universe and its symmetry laws. "The commitment of the NSF to these experiments remains strong," he said, but the experiments may pass another year in the research and development phase before construction starts.

The current RHIC run

Dejan Trbojevic, Collider-Accelerator Department, then presented an overview of the 2001 RHIC run, saying, "Things have been working well, and I am proud to be within a group of many talented and dedicated people who are trying to make RHIC work up to its designed levels and beyond."

According to Trbojevic, goals for this year's run include circulating 56 bunches containing one billion gold ions each at the design beam energy of 100 billion electron volts per nucleon. Work is also ongoing to squeeze the beam on the longitudinal axis to pack the bunches more tightly as they pass through the interaction regions, which will increase the luminosity, or collision rate, at each detector.

Keeping the beams aligned in all directions is a big challenge, as is working out the kinks of the various power supplies. But Trbojevic is optimistic.

"RHIC's future is very bright," he said. "We have a fantastic machine in hand. I envy the experiments a bit because they are discovering something new. We are of service to them. But we have interesting things to look at [in accelerator physics] as well."

Spirit of optimism

Advances in computing power at the RHIC Computing Facility (RCF) are another reason

BNL, ACS, DOE Encourage Careers in Nuclear Chemistry

Since 1989, chemistry majors and others from colleges all over the nation have been awarded fellowships to attend a six-week summer school in nuclear and radiochemistry in BNL's Chemistry Department, which is sponsored by the American Chemical Society's Division of Nuclear Chemistry & Technology, and funded by DOE. This very intense course was established at BNL by Chemistry's late Seymour Katcoff to give students fundamental knowledge of nuclear and radiochemistry, hands-on laboratory experience, and insights into the applications of nuclear and radiochemistry and encouraged them to consider careers in nuclear chemistry.

Kathryn Kolsky of the Medical Department organized this year's summer school, with the support of BNL's Office of Educational Programs, Y.Y. Chu and Gerhart Friedlander of the Chemistry Department, and teaching assistant Abigail Bickley of the University of Maryland.

From June 18 through July 27, the students attended morning lectures given by Daeg Brenner, Clark University; Roy Lacey, Stony Brook University (SBU); and additional lecture by scientists from BNL and other institutions. In the afternoons, the students performed laboratory work in three labs in Bldg. 555. The students earned three lecture and three laboratory credits from SBU for their participation. The top student, Jamon Holzhausen, Brigham Young University, won an all-expenses-paid trip to the ACS National Meeting in Chicago this fall.



Roger Stoutenburgh CNE-179-01

Outside the Chemistry Department are Susan Clark (front, third from right), National Director of the American Chemical Society's Summer School in Nuclear and Radiochemistry program; Kathryn Kolsky (right front), BNL course instructor and coordinator; and teaching assistant Abigail Bickley (front, center), University of Maryland (UM). They are pictured with this year's nuclear and radiochemistry summer students: (from left) Suji Choi, Purdue University; Andrew Booher, Bradley University; Melissa Ewert, Purdue; Inna Bashta, University of Nevada at Las Vegas; Jamon Holzhausen, Brigham Young University; Angela Fox, Belmont University; Cory Daignault, Florida State University; Stephanie Soehnlein, Canisius College; Erik Epp, University of Michigan; Chris Klug, UM; and Tom Wall, Roger Williams University.

for optimism, said RCF's Thomas Throwe. Last year, all systems performed very well to transfer, store, and reconstruct RHIC data.

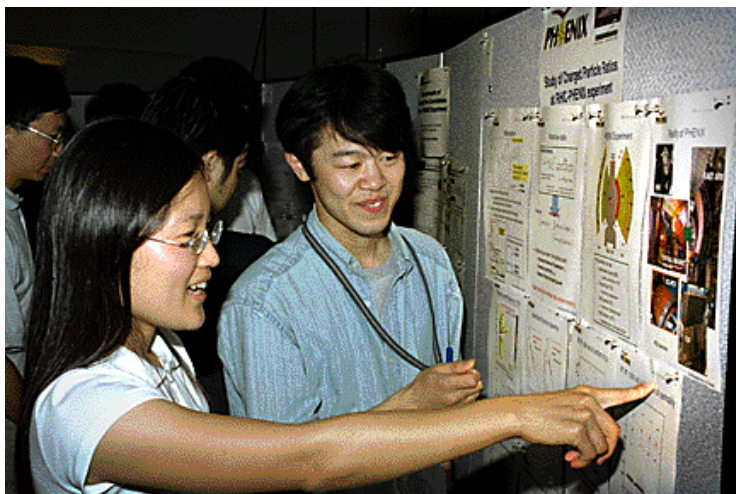
Since then, "The RCF has expanded greatly and continues to expand," Throwe said. "I believe we're in good shape for this run. We've gotten only small amounts of data so far. We're waiting for it, and we think we're ready."

The Thursday afternoon and Friday sessions featured talks on the g-2 experiment, rare kaon decays, the new results from SNO, and the finer points of experiments at RHIC, including the upcoming polarized proton run. The meeting also featured a pre-

sentation of awards to Thomas Ludlam, BNL Physics Department, now pursuing research with the STAR collaboration, for his contributions during RHIC construction and the formation of the new Users' Center, and to John Marburger, for his outstanding leadership and support of the RHIC and AGS users' community.

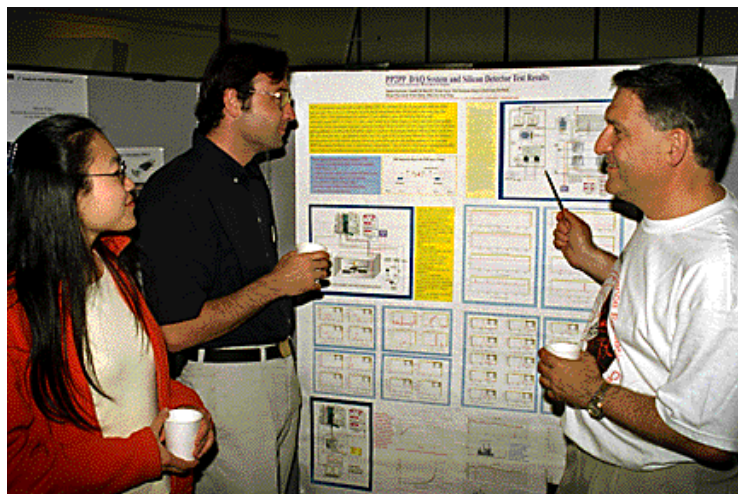
An announcement of a new, annual \$1,000 RHIC & AGS Thesis Award to be funded by BSA was also made. Finally, a poster session and users' business meeting rounded out the schedule.

— Karen McNulty Walsh and John Galvin



Michael Herbert CNE-650-01

Akio Kyomichi (right) of the PHENIX collaboration describes his study of charged particle ratios at the PHENIX experiment to Min Jung Kweon.



Michael Herbert CNE-650-01

Susan Yeung and Nevzat Guler discuss the pp2pp experiment's silicon microstrip detector with pp2pp spokesperson Wlodek Guryn.

8th Walk for Beauty, 9/24
Fight Breast Cancer

On Sunday, September 30, the entire Lab community — employees, facility users, families, guests, retirees — is invited to join the BNL team that will participate in the 8th Annual Walk for Beauty. The proceeds from this charitable walk will benefit breast-cancer research at the University Hospital and Medical Center at Stony Brook. Registration forms and additional information will soon be available. If you register outside the Lab, then indicate your company name as “BNL” on the form. Contact Peggy Sutherland, Ext. 3131, or Donna Grabowski, Ext. 2720, with questions or requests to be added to the mailing list.

Arrivals & Departures

Arrivals

John M. SmedleyInstrumentation
Alexei S. SoaresBiology

Departures

Leah E. HildesheimInfo. Svcs.
Idayat A. OshoEnv. Sci.

Web Vehicle Auction

For the first time, retired BNL motor vehicles will be sold to the public via a Web-based auction. The auction of the vehicles, which are located at warehouse T-87, will be conducted by the Government Services Administration. Pictures and other information about the 19 automobiles and trucks will be posted at www.gsaauctions.gov beginning on or about Monday, August 27. The Web-based vehicle information will be available for 7 to 15 days thereafter, during which time anyone may bid on the vehicles.

Softball Party

All softball players, their families, and friends are invited to the annual BERA Softball League party. The party will be held at the Brookhaven Center on Friday, September 28, starting at 5:30 p.m. Tickets at \$12 per person include a hot and cold buffet dinner; two drink coupons for beer, wine, or soda; cake and coffee; music by DJ John; raffles for prizes; and a cash bar. Everyone must have a ticket. To purchase tickets, bring cash or mail checks payable to BERA Softball to Andrea Epple, Bldg. 750, Sue Cataldo, Bldg. 801, or Laurie Pearl, Bldg. 459, by Friday, September 14. For more information, e-mail softball@bnl.gov.

Healthfest 2001
Save These Dates!

The Lab’s 9th annual Healthfest — a week of health, fitness, and safety — will be held this year, as follows. More information is to come in the Bulletin and via mailings to all.	
date	events
Mon., Oct. 15	stretch, fitness walk
Tue., Oct. 16	stretch, fitness run
Wed., Oct. 17	Healthfest fair, golf workshop
Thurs., Oct. 18	Healthfest fair, tennis workshop
Fri., Oct. 19	mountain bike ride

Tread Safely

The Safety Shoe Office will be closed from Tuesday, August 28, through Friday, September 7. The office will reopen on Monday, September 10.

Drivers: Yield to
Shelled Pedestrians

At this season especially, BNL motorists are asked to take care to avoid running over turtles crossing the roadways. Turtles can easily be mistaken for rocks on the road.



Weight Watchers
Registration 9/5

Registration for Weight Watchers at Work will be held at noon on Wednesday, September 5, in the Brookhaven Center. The fee is \$89 for 10 or 12 weeks depending on the enrollment. The first session will begin on Wednesday, September 12. For more information, contact Mary Wood, Ext. 5923, or wood2@bnl.gov.

Kickboxing

In September, cardio kickboxing classes will start again. All are welcome. The fee is \$5, payable at each class. Classes will be held as follows:

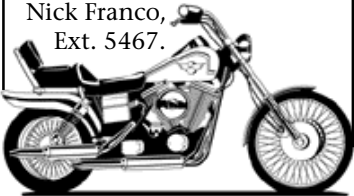
time	place	day
noon	gym	Mon., Thurs.
5:15 p.m.	gym	Tues.
5:15 p.m.	B. Cntr.	Thurs.

For more information, contact Mary Wood, Ext. 5923 or wood2@bnl.gov.

Cycletrons
Motorcycle Club
Family Picnic

The Cycletrons, BNL’s motorcycle club, invite all club members, their families, friends, and others who have an interest in motorcycles to their 4th annual family picnic on Saturday, September 8, at noon at the gazebo by the softball fields. Tickets cost \$5 per adult; children 12 and under go free. Hamburgers, hot dogs, salads, and soda will be available as well as various bike games, horseshoes, volleyball, softball, relay races, a three-legged race, and more.

To purchase tickets, contact Frank Dusek, Ext. 2022; Charles Gardner, Ext. 5214; Frank Cetero, Ext. 2012; or Nick Franco, Ext. 5467.



No Bulletin 9/7

There will be no Bulletin on September 7, the week of the Labor Day holiday.

Calendar

(continued)

Wednesday, 8/29

Divorced & Separated
Support Group

noon-1 p.m., Berkner Hall, Room D. Mary Campbell, Ext. 4776, maryc@bnl.gov.

Thursday, 8/30

BERA Bridge Club

7 p.m., Berkner Hall cafeteria Morris Strongson, Ext. 4192, mms@bnl.gov.

— WEEK OF 9/3 —
Thursday, 9/6

Corporate Express Demo

11:30 a.m. - 2 p.m., Berkner Hall. The Lab’s Eway.com office products vendor will display samples and show product demos from various manufacturers including 3M and Sanford.

*Cycletrons Club Meeting

4:45 p.m., Brookhaven Center. The BNL motorcycle club meets on the first Thursday of every month. All are welcome. See also notice on family picnic, left. Frank Dusek, Ext. 2022, Charles Gardner, Ext. 5214, Frank Cetero, Ext. 2012, or Nick Franco, Ext. 5467.

— WEEK OF 9/10 —
Tuesday, 9/11

Celebration for Lab Director

4-7 p.m., Berkner Hall. All the Lab community is invited to a celebration sponsored by BSA for Laboratory Director John Marburger, who was selected by President George W. Bush for nomination as Assistant to the President for Science & Technology Policy. Refreshments and entertainment will be provided.

Wednesday, 9/12

Divorced & Separated
Support Group

noon-1 p.m., Berkner Hall, Room D. Mary Campbell, Ext. 4776, maryc@bnl.gov.

Rifle & Pistol Club Meeting

noon, 535A conference room. For more information, contact Jim Durnan, Ext. 5993, Sue Foster, Ext. 5529, the club’s hotline, Ext. 2658, or the club’s Web page, www.bnl.gov/bera/activities/rpc/.

BSA Distinguished Lecture

At 4 p.m. in Berkner Hall, Caleb Finch of the University of Southern California will present “Puzzles and Paradoxes of the Aging Process.”

*BNL Ballroom, Latin & Swing Dance Club: 2001-02 season starts with series 1

Evenings, North Ballroom, Brookhaven Center. Marsha Belford, belford@bnl.gov or Ext. 5053. See article, left.

— WEEK OF 9/17 —
Wednesday, 9/19

Brookhaven Lecture

4 p.m., Berkner Hall. Subramanyam Swaminathan, Biology Department, will talk on neurotoxins.

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.

BNL Ballroom, Latin & Swing Dance Club
Register Now for Wednesday Dance Lessons Starting September 12th

For the 10th year, the BNL Ballroom, Latin & Swing Dance Club is offering dance lessons in the North Ballroom of the Brookhaven Center on Wednesdays, from September through May (see 2001-02 schedule in last week’s Bulletin). The lead instructor is former U.S. Ballroom Champion Giny Rae of Dance Magic studio in Smithtown. Series 1 starts on Wednesday, September 12, with:
• 6-7 p.m. beginner Introduction to Ballroom 103: West Coast swing, fox trot, peabody, and quickstep (2 weeks/dance), \$30 per person.

- 7-8 p.m. advanced beginner American bolero & tango review syllabus levels I & II (4 weeks/dance), \$30 per person.
 - 8-9 p.m. intermediate/advanced International quickstep and American waltz technique and principles (4 weeks/dance), \$40 per person.
- To reserve a place, paid registration is required. Classes fill quickly, so register now using the coupon below. Make checks payable to the BNL Dance Club. For more information, contact: Marsha Belford, belford@bnl.gov or Ext. 5053; Ron Ondrovic, ondrovic@bnl.gov or Ext. 4553; or Sue Perino, perino@bnl.gov or Ext. 2483.

BNL Ballroom, Latin & Swing Dance Club
BALLROOM DANCE CLASS REGISTRATION FORM

name:				e-mail address:			
Bldg.:				home phone:			
Ext.:				partner’s name*:			
— SERIES 1: SEPTEMBER 12 to NOVEMBER 7, 2001 (no class September 26) —					fee/person		
series 1	6-7 p.m.	Ballrm. 103	WCS, fox trot, peabody, quickstep	\$30/8weeks, \$25/6weeks, \$20/4 weeks, \$15/2 weeks			
series 1	7-8 p.m.	review I&II	American bolero & tango	\$30/8 weeks. \$20/4 weeks			
series 1	8-9 p.m.	master	International quickstep & American waltz	\$40/8 weeks			

(make checks payable to the BNL Dance Club) total enclosed

* To be put on a waiting list for a partner, your payment must be submitted. Partners may be found as late as the first day of class, so come to the first class. Payment will be refunded if a partner is not found.

return to: Marsha Belford, club president, Bldg. 134

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/JOBS/jobs.html.

LABORATORY RECRUITMENT – Opportunities for Laboratory employees.

DD2093. SR. ADMINISTRATIVE SERVICES ASSISTANT (A-3) – Requires an AAS in business or related field, proficiency in MS Office applications (Word, Outlook, Excel), and a thorough knowledge of Laboratory policies and procedures. Must be able to work independently, prioritize workload, be highly organized, and be capable of handling non-routine matters. Familiarity with PeopleSoft HR, GIS system, LCDS system, and IPAP travel system preferred. Responsibilities will include Human Resources liaison duties, working with the Guest Information Systems including being the GIS administrator for Department, and providing administrative assistance and support to Business Manager and Chair of Department. Medical Department.

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates.

DD2394. SR. SECRETARY (CW-3, reposting) – Responsible for assisting staff within the Groundwater Projects Group. Works independently within established procedures and may be required to handle non-routine office matters. May have frequent contacts within and outside the Laboratory to exchange information essential to assigned office functions. Must possess extensive knowledge of one or more specific areas of Laboratory operations, policies and procedures, and demonstrated skills in one or more specialized administrative functions. Requires sound knowledge of MS Excel, PowerPoint, MS Word and other Microsoft Office applications. Requires a minimum of an AS degree and significant relevant experience or equivalent. Environmental Management Directorate.

DD2395. ADMINISTRATIVE SERVICES ASSISTANT (A-2, reposting) - Responsible for assisting staff within the Project Controls Group. Works independently within established procedures and may be required to handle non-routine office matters. May have frequent contacts within and outside the Laboratory to exchange information essential to assigned office functions. May direct the work of other support personnel. Must possess extensive knowl-

edge of one or more specific areas of Laboratory operations, policies, and procedures, and demonstrated skills in one or more specialized administrative functions. Requires sound knowledge of Primavera Project Planner, MS Excel and MS Word. Will assist in planning, budgeting, scheduling, and providing weekly and monthly schedule status updates using Primavera. Requires significant relevant experience and an AS degree or equivalent. Environmental Management Directorate.

MK2213. POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in chemistry, physics, materials science, or chemical engineering and extensive experience in UHV surface science, or Raman/IR Spectroscopy of surfaces. Will perform experimental studies on nanostructured catalysts using optical probes such as Raman and IR spectroscopy. Under the direction of M. White, Chemistry Department.

MK2216. POSTDOCTORAL RESEARCH ASSOCIATE – Requires a Ph.D. in chemistry, physics, or chemical engineering, extensive experience in computational chemistry, and knowledge of theoretical methods frequently used in the study of catalytic processes. The theoretical work will involve the use of semiempirical methods, ab initio Hartree-Fock, ab initio post-Hartree-Fock, and density-functional based methods. Will participate in studies of the structural, electronic and catalytic properties of functional nanoparticles (metals, oxides, carbides, sulfides, etc.). Under the direction of J. Rodriguez, Chemistry Department.

Happenings

BLUES HOUSE - Sat. 9/2, 9:30 p.m., George Bostick, SSD Division, will perform with the Blues House blues and rock musicians at Cantusa Restaurant/Bar, 190 Montauk Highway, Speonk, 631-325-5024.

HADICUS ROAD - Sat. 9/7, 10 p.m., Greg Condemni, RCD Division, Ext. 4098, will perform with classic rock band Hadicus Road at The Brickhouse Brewery, W. Main Street, Patchogue.

Final Summer Sunday Tour, 8/26

This Sunday learn about BNL's research in the

Atmospheric Sciences

The Department of Energy sponsors research into the environmental consequences of fossil fuel combustion — the burning of coal, oil, natural gas, gasoline, etc. This Sunday, Summer Sunday visitors to the Lab will learn about some of the research that BNL scientists conduct in the atmospheric sciences.

Lab researchers will display some of the instruments, models, and techniques used to further their understanding of atmospheric chemistry and transport of air pollutants associated with energy production.

Visitors will view a sulfate aerosol movie and will see demonstrations and participate in discussions about carbon dioxide, aerosols, and the greenhouse effect. Visitors to the Lab will also learn about the instruments that scientists use to make field measurements, and how the federal government establishes ozone concentration standards to protect human health.

In addition, visitors may take guided bus tours of the Lab site, which will run continuously throughout the day; participate in the Whiz Bang Science Show, presented four times between 10 a.m. and 3 p.m. in Berkner Hall; and view the Camp Upton Historical Collection, which displays the history of the BNL site during its pre-Lab days as a U.S. Army camp in World Wars I and II.

* * *

Also this Sunday in Berkner Hall, Room B, scientists from Brookhaven's Relativistic Heavy Ion Collider (RHIC) will give presentations about the Lab's newest accelerator. RHIC posters will be on display, and RHIC animations will run throughout the day.

Organized by BNL's Museum Programs of the Community Involvement Office, BNL's Summer Sunday tours begin at 10 a.m. and visitors must arrive before 3 p.m. The tours are free, open to the public, and no reservations are needed.

BERA VOLLEYBALL CHAMPS 2001 • BERA VOLLEYBALL CHAMPS 2001 • BERA VOLLEYBALL CHAMPS 2001



League 2

The Upsetters set up victory against all opposition and won the League 2 championship. Top row, from left: Tim Onasch and Dina Tullo; middle row: Izzy Garcia, Joann Reed, Mike O'Connor, and Justin O'Connor; front row: Kyle O'Connor and Jenn O'Connor. Not pictured: Louis Nieves.



League 3

The Upton Ups rose to new heights by beating down the competition to win League 3. Clockwise, from top: Peter Popken, Mary Grace Meier, John Meier, and Theresa Meier (captain). Not pictured: Patti Bender, James Meier, Twig Bender, Doris Johnston, and Robert Howe.



Open A

The Drilling & Excavation Co. undermined their competitors' confidence to win the Open A league. Top row from left: Bill Cropp and Art Sedlacek. Middle row: Gene Van Buren, Travis Shrey (captain), and Dan Mullaly. Bottom: Jean Spears. Not pictured: Dieter Lott, Maria VanBuren, and Rui Mei Ma.



Open B

The Dump & Dink team dumped and dinked their way to the top of the heap in Open B league. Top row from left: Greg Marr, Alain Domingo; Second row: Art Sedlacek, Charlie Whalen; Standing: Travis Shrey (captain), and Seth LeGrand. Not pictured: Joe Greco and Kevin Smith.