At CERN, Quark-Gluon Plasma?
‘Circumstantial’ Evidence Gives Tantalizing Hints

CERN, the European laboratory for particle physics, located in Switzerland, has just made public the results of its five-year program of heavy-ion collision experiments, hinting at the formation of a quark-gluon plasma. This state of matter, thought to have existed just microseconds after the Big Bang, is the same elusive quark sought by experiments due to breakthroughs at BNL’s Relativistic Heavy Ion Collider (RHIC).

Has CERN scooped RHIC? The answer is no. CERN scientists presented their evidence is indirect and “circumstantial.” But their results do generate great confidence that the quark-gluon plasma may be directly observed for the first time when RHIC achieves full operational status.

The experiments at CERN, in which high-energy beams of heavy ions (lead nuclei) struck stationary targets of gold, achieved total center-of-mass collision energies of 3.4 TeV (trillion electron-volts). These are the highest energy man-made heavy-ion collisions at the formation of a quark-gluon plasma. Analyzed independently, none of the CERN experiments is definitive. But taken together, they provided circumstantial evidence that a quark-gluon plasma may have been produced.

Direct measurements, such as detecting the electromagnetic signals emitted from the plasma, will only be possible at the much higher collision energies that will be achieved in RHIC’s beam-on-beams, collisions of gold ions and, later, at CERN’s Large Hadron Collider, now under construction.

The RHIC experiments, expected to begin this year, will produce total center-of-mass energies up to 4 TeV, more than 10 times more powerful than those at CERN. The higher temperatures achieved in RHIC will allow the quark-gluon plasma to linger long enough for the kinds of direct observations that were not possible with the CERN experiments.

The CERN results are quite encouraging, says Tom Ludlam, BNL’s Deputy Associate Director for High-Energy and Nuclear Physics. “These results set the stage for the definitive round of experiments at RHIC in which the quark-gluon plasma will be directly observed, unveiling a vast landscape for discovery regarding the nature and origins of matter.”

CERN stated that their evidence is “circumstantial.”

For People With Disabilities: A New Training Program at BNL

A training program for individuals with disabilities who wish to become laboratory assistants is now being offered at BNL in Albertson, Long Island. This program, the first of its kind offered in Suffolk County, is designed to provide training for entry-level positions in clinical, pharmaceutical, environmental and research laboratories in the community.

Abilities, Inc., located in Albertson, Long Island, is supported by and works in partnership with the National Center for Disability Services (NCDS). The Laboratory Assistant Training program is offered to 12 students, three times per year, for 15 weeks per session. Training begins with the Medical Department, Bldg. 490. “We see a great opportunity ahead for people with disabilities who take advantage of this program,” said Effrey Taylor, BNL’s Senior Diversity Coordinator. The area office of the Department of Energy and Brookhaven Lab are pleased to have partnered with Abilities, Inc., a not-for-profit organization.

Micro-fabrication techniques were first developed to manufacture miniature computer chips and other integrated circuits. Patterns for circuits are transferred on silicon wafers using masks and some form of radiation, usually ultraviolet (UV) light, to transfer the pattern from the mask to the wafer. But new techniques have emerged to make more accurate x-ray detectors and we’re exploring its applicability for several biomedical applications,” Warren says.

“Tomatek and other microstructures, designers use a patterned mask to cover portions of a UV-sensitive film-like material and expose it to UV rays. The UV exposure triggers cross-linking to strengthen the bonds in the exposed areas of the material. When the material is unmasked and put into a developing solution, the stronger, cross-linked areas remain while the areas that had been masked dissolve. The resulting “photoetched” 3-D structure can then be used as a scaffold or a mold for other building materials.

BNL’s participation in this CRADA is funded by the DOE’s Office of Science, Laboratory Technology Research Program.

— Karen McNulty
Disabilities (cont’d)
This program available in Suffolk County, as well as several other locations throughout the world, is currently being sponsored by NCDS, said Edmund L. Corte, NCDS President and CEO. “For the first time since this program was introduced, we are seeing an increase in the number of people applying for our services. We believe this is due in part to the increased awareness of the benefits of an educational program like this for people with disabilities.”

For more information, contact Susan Hantke, ext. 3496.

GLOBE@BNL Club
The gay and lesbian club, GLOBE@BNL, will be having its monthly meeting today, Friday, February 11. More information is available at the BERA activities page at http://www.bera.bnl.gov/baraeta.htm.

Hospitality Committee
The Committee invites all newcomers, guests, and visitors to coffee on Tuesday mornings, 10 a.m.-11:30 a.m. Starting February 29, you are asked to bring a little food to share. For more information, contact Mimi Lucini, 821-1425.

Leafing House
BERA will offer a leafing house training course at the BNL swimming pool, 80 Ridg, beginning Sunday, February 27, at 10 a.m. The course is open to BERA members who are at least 15 years old, and the class size will be limited. Registration and onsite training is taking place now at BNL’s pool for fee. For more information, call Clifton, 585-2900.

PPM Electronic Shopping Mall Opens: Office Supplies First Commodity
With the advent of Web commerce, the way that goods are stocked and purchased has recently changed. Consumers who shop reputable e-commerce sites are often charged discounted prices, while still getting the course of our deliveries. To begin taking advantage of e-commerce, the Lab’s Purchasing & Property Management (PPM) Division invites BNL credit-card holders to the grand opening of its electronic shopping mall, located at PPM’s Web site www.esm.bnl.gov.

The first commodity to be offered by PPM’s e-mail is office supplies—which now can be ordered by pointing and clicking at an on-line catalog. PPM’s plans are to add electronic storefronts for tools, electrical and electronic items. Instead of stocking office supplies on site as in the past, the Lab now relies on a statutory vendor. Because of what has been obtained the discounted prices, the price per item ordered electronically is lower than the price for the same item bought elsewhere. Within a day of accepting an electronic order from BNL, the stationery vendor will deliver the items to the Lab’s receiving docks.

To place an order, BNL credit-card holders must enter a password and their credit-card information. A BNL credit-card holder will receive a monthly report of all orders that they have placed with this vendor. To learn how to place orders electronically, BNL credit-card owners have three sources of information: an on-line help feature of the electronic catalog; on-site training by the vendor, which can be arranged for interested groups; or a toll-free hotline, 1-800-353-3375. For more information, call Dennis Lamm or Elizabethelowenstein@bnl.gov.

LifeWatch Training
BERA Ski Trip 3/22
Make paid reservations for the following trips:
1) Friday, March 24, at the BERA Sales Office, Bunker Hall, Monday-Friday, 9 a.m.-3:30 p.m. For more information, contact Andrea Dehler, ext. 3347, or Bob Maraisda, ext. 7779.
2) Friday, March 24, at the BERA Sales Office, Bunker Hall, Monday-Friday, 9 a.m.-3:30 p.m. For more information, contact Andrea Dehler, ext. 3347, or Bob Maraisda, ext. 7779.

HazWoper Training
PACE Union Local 1-431 is scheduling free 40-hours Hazardous Materials Operations Training for BNL employees, contractors, and guests, March 17-18, 8 a.m.-4:30 p.m., in the Bldg. 703 training room. Contact Lou Evers, evers@bnl.gov or Ext. 4417, or Steven Coleman, coleman@bnl.gov or Ext. 1762.

Cyclotron’s Dinner on Valentine’s Day
BNL’s Cyclotrons restaurant will be open on Monday, February 14, 5:30 p.m.-9:30 p.m. Information about the dinner, including the cost and reservation requirements, can be found on the website www.re ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ ಱ Stealth
Members of the BNL Gospel Choir are: (seated at the piano) Ojettia (O.J.) Bright; (front, from left), Joyce to learn about themselves and their history can also educate religious expression. “But gospel music moves beyond culture and typical religious setting,” says Frances Long, a long-time member of the BNL Gospel Choir. “Gospel music is not what’s written on the paper, it’s what your experience is. Our choir’s hope is that this music builds bridges.” The bridges built by music can help different communities to become more aware of other cultures. Long believes: “People outside the black culture often attend events organized for Black History month are not them. But, in the programs that allow African Americans to learn about their history and their history can also educate the general community.”

The BNL Gospel Choir, formed in 1991, is comprised of BNL employees, retirees, and their families. The group has participated in more than 15 community concerts and programs annually, with highlights that include presentations to local nursing, adult, and veterans homes, school districts, church concerts, Long Island and University, and Brookhaven’s Toys 4 Tots.

Upcoming events include performances during the month at Little Flower, Wading River, on February 16, and at Philips Avenue School, Riverhead, on February 29. The choir will also be singing on Thursday, February 24, in a location that will be attended by participants at the Community College Workshop 2000, organized by BNL’s Office of Educational Programs.

To join the choir, contact Long, ext. 3709, or Sydell Lamb, ext. 3389. Membership is open to all BNL employees, subcontractors, guests, facility users, and their families. Rehearsals are held in Bernhard Hall on Mondays at 15 p.m.

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ROGER STOUTENBURGH,

NOTEBOOK

The BNL Gospel Choir

H is Brookhaven Bulletin

February 11, 2000

Valentine’s Notes

TERRY - You’re my best friend, love & husband for over 20 years. Opposites do attract! New if only you’d dance! Love, Sukey

LILY - You came into my life and brightened my every day. You’ve been in my heart ever since. Love, Mediterranean princess - You were always meant to be my Valentine. Love, from your angel in the morning.

LILY - You are the one who wants to talk and about everything. You, Lili.

DEAR SJ - 24 roses, 24 kisses, 24 love you and 24 Happy Valentine’s Days, Love, SJ

DEAR ANN - It’s already 3 years and you still are all my Valentine, Love,

DEAR MR. THORNBERY - B. - For your heart is amethyst; your lips need to be deeply, softly and passionately kissed. N.Y.R.T.S.

LINDA - A sweetness and kindness were asphodel, you led me through the Long Island Expressway between exits 68 and 34.

BUNCHES BEAUTY - This day will always hold special meaning for me. Can’t wait till we’re together for love, Your Valentine.

DEAR JANNIE - Happy Valentine’s Day! Mommy

DEAR SJ - Don’t cry. This year you’ll be a star. My love will be as sweet.

DEAR PRINCESS - NY, NY, I’ll never forget you. A.B.W.Y.

MEYS - New York, New York! You’re the best boys in the whole world! I love you. Happy Valentine’s Day! Mommy

MOMMY/HEAD - I’m still having fun, hope you love too.

ROBERT - I can’t imagine being married to anyone else but you. Thanks for being there when I need you. Christie

DEARBABY - I love you more than you know. Love, Your Beautiful Bunch

BROWNS - Happy Valentine’s Day!

DEAR BUDDY BOY - Happy Valentine’s Day, Love, Buddy Girl

SVELITZ - I think you for all great, loving years. I pray for many. You’re my love in cans. Spanky

LITTLE SISTER - Thanks for stepping up when other don’t want to. Emil and Bets would be very proud. Big brother.

LILY - You are the best. And I still want to love you today. Love, Lili

DEAR SJ - Happy Valentine’s Day. Love, SJ

DEAR ALL - Thank you for being there for me I love you. My Debut.

TO ALL THE GUYS - Remember love is like a card game. Take her to dinner “lols”, look her with romance & hearts, don’t forget the “Vanderbils,” and you’ll receive love in “Spades”.

DEAR FAR MARDEN - Whose hair is red, dreams of an English summer romance, sees only the shine of my head. We have had lots of fun. And many a great time. Sincerely on this day, Your Valentine.

KAYLIE, KYLE & DADDY - I love you all so much! Happy Valentine’s Day, Mommy

SNOOKY LUMPS - I love more than I thought was possible. Please be my Valentine. Love, Sirk

DUCK - You are the greatest thing that ever happened to me. Love, sunshine. p.s. Can’t wait.

DEAR MY LOVER - My bosom buddies for you forever. Love you always and forever, your buddy

B. - I have a bad habit, but love you the best of all the rabbits. Love, Dan

DEAR BUNNY - See you tonight.

DEAR SB - Hiding in the corner. Jiminey Cricket

B. - I would not have made it this far in this past year. Love, Noel

CAROL - I would not have made it this far in this past year. Love, Noel

DEAR BUNNY - I love you more than ever. You amaze me and fill my heart with love. Love forever, Til p.s.: See you tonight.

DEAR NML - It’s almost 3 years and you are still my love. Thank you for being a part of my life. Love you, Sha

JEFF - Thanks for 25 great years. I’m looking forward to the next 20. Love you both. Debbie


TO MY LOVE BUN - I promise love for all the rabbits. Love, Dan

TO THE LOVE IN MY LIFE - Who is also the greatest love keeps lifting me higher.

BUNCHES BEAUTY - This day will always hold special meaning for me. Can’t wait till we’re together for love, Your Valentine.

BEAUTIFUL BETH - Almost two wonderful years together. You’re a dream come true. Love you forever, Yours.

DADDY - Congratulations on (finally!) making it to the promised land! I miss you, but this is the best for you. Love always, Betsy

CAROL - Could you please help me to mend a broken heart? You’re the best. Love, Dennis

TO KELLER KNEES, SUGAR PLUM PIE & WINNA POINTED HAIR - 11 years and counting, Mommy & Papa love you very much. XXXX

DEAR EMANIE - I would not have made it this far in this past year. Love you, always

YOU - will always be the one for me. Your Man!

DEAR LS - I love you more than ever. You amaze me and fill my heart with love. Love forever, Til p.s.: See you tonight.

ROSETTA - After 17 fantastic years, I still wake up in love with you every morning. Thank you for taking care of me. Love, Joe & DJ.

DEAR BEAUTIFUL BETH - Almost two wonderful years together. You’re a dream come true. Love you forever, ESS

DEAR JACK - I know the next 20 will have more love. Love, Lentry BUD - You complete me. Love you forever, Sunshine BUZZ - Roses are red, Violets are blue, It’s your time to turn in your “Love” R.A.M.

LADY - I never knew just how hard core you really were. True love will never die for us. Love, Lentry

SHARI - Sorry for the recent truth. But it’s only for your love. To you.

CINDI - The love of my life and so whom I shall ever love you.


PETE B - Hiding in the corner. Jiminey Cricket

JENNY - Thank you for everything. Love, Casper

YOU - will always be the one for me. Your Man!

CAROL - I would not have made it this far in this past year. Love you, always

YOU - will always be the one for me. Love you, always

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YOU - will always be the one for me. Your Man!
Scotch Doubles 3/5
Enjoy a day at the Scotch Doubles Tournament to be held on Sunday, March 5, at 1:30 p.m. sharp, at JF ‘O’ Env. The cost of $36 per couple includes bowling, prizes, food, beverages, and parking. For more information, contact Donna Wadman, Bldg. 129.

BNL Food Drive
Pickup next week
No mulch will be collected in personal checkouts. BNL Food Drive, care of Rita Kito, Bldg. 460, or Donna Wadman, Bldg. 129.

Basketball
Scores from games on February 19

<table>
<thead>
<tr>
<th>Heavens 81</th>
<th>Bombers 48</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sally Lee</td>
<td>41</td>
</tr>
<tr>
<td>Troy Mate</td>
<td>10</td>
</tr>
<tr>
<td>Al Boerner</td>
<td>12</td>
</tr>
<tr>
<td>Doug Arthor</td>
<td>13</td>
</tr>
<tr>
<td>Greg Jones</td>
<td>10</td>
</tr>
<tr>
<td>Gary Shepherd</td>
<td>7</td>
</tr>
<tr>
<td>Steve Jay</td>
<td>8</td>
</tr>
<tr>
<td>Pat Mohagan</td>
<td>4</td>
</tr>
<tr>
<td>Regina Sanchez</td>
<td>2</td>
</tr>
<tr>
<td>Pete Rutak</td>
<td>2</td>
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</tbody>
</table>

Timers: 2

Three-point shots: Mayer (8), Boerner (4), (Aichert), (Larison), (Sandhu)

Wizards 63 | Magic 57 |
<table>
<thead>
<tr>
<th></th>
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<tbody>
<tr>
<td>Gary Gotha</td>
<td>18</td>
</tr>
<tr>
<td>Shane Stoller</td>
<td>10</td>
</tr>
<tr>
<td>Dorian Morgan</td>
<td>16</td>
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<tr>
<td>Mike Fulkinson</td>
<td>9</td>
</tr>
<tr>
<td>Warren Dering</td>
<td>11</td>
</tr>
<tr>
<td>Rusty Traylor</td>
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<tr>
<td>Charlie Edwards</td>
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<td>Mike Godfrey</td>
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<td>Jimistic</td>
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<tr>
<td>Hector Machado</td>
<td>5</td>
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<tr>
<td>Martin McKay</td>
<td>2</td>
</tr>
<tr>
<td>Jim Chaloupka</td>
<td>4</td>
</tr>
<tr>
<td>Rob Williams</td>
<td>4</td>
</tr>
</tbody>
</table>

Three-point shots: Gotha (2), Garrison (3)

Road Closure
Beginning Monday, February 19, the access road that runs south of Buildings 701 and 901 will be closed to through traffic for about a month. A northbound southbound two-way detour will be set up in an effort to minimize the impact of the road closure on Laboratory personnel and visitors. The detour is to be repositioned every few days in the interest of carrying out the Laboratory mission to the best advantage for everyone.

No Bulletin February 25
To commemorate Presidents’ Day, the Lab will be closed on Monday, February 21. Therefore, there will be no Bulletin on Friday, February 25.

BERA’s Disney Trip
Again, BERA is sponsoring a seven-day, six-night Disney trip from Thursdays, October 26, through Wednesday, November 1. The trip will be open to all employees, guests, users, on-site contractors, and their families. Discounted group package rates per person are as follows:
- Adults: $915.00
- Children (ages 3-9): $810.00
- Children (ages 10-17): $80.00
- Single rooms: $729.00
- Kids under 3: free

BERA is requiring a deposit of $200 per person by March 1, the cost will be $40.00 per couple. The tour is open to all employees, guests, users, on-site contractors, and their families. The trip includes transportation, hotel accommodations, meals, and admission to Disney World and Disney’s Animal Kingdom. The deposit is due in full by early March, and the balance is due by May 1. The trip will include a one-night stay in Orlando, two-night stay at Disney’s Contemporary or Disney’s Grand Floridian Resort, and three-night stay at Disney’s Polynesian Village Resort. The trip will include admission to Magic Kingdom, Epcot, Disney-MGM Studios, Typhoon Lagoon, Blizzard Beach, and more. For more information, see the Bulletin, February 4, or call M. Kay Dellimore, Ext. 2873, or Andrea Dehier, Ext. 3347.

Volleyball
League standings as of January 31

League A Mixed 1

<table>
<thead>
<tr>
<th>Drill &amp; Excav. Co.</th>
<th>20-14</th>
<th>Safe Setos</th>
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<tbody>
<tr>
<td>Dick/Andy</td>
<td>17-14</td>
<td>38-7</td>
<td>30-18</td>
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<tr>
<td>Far Side</td>
<td>22-24</td>
<td>34-7</td>
<td>32-14</td>
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<tr>
<td>Dave Valley</td>
<td>8-26</td>
<td>Inside Out</td>
<td>30-15</td>
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Open League B

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<thead>
<tr>
<th>Nuts &amp; Bolts 9-8</th>
<th>B 8-3</th>
<th>3-8</th>
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<tr>
<td>Land E. Powers</td>
<td>7-10</td>
<td>15-8</td>
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</table>

Bumpin Luggins   25-11 | Safes 3-8 Monday Night 4-25

The Stats

Mixed League 1

<table>
<thead>
<tr>
<th>Six Samurai 29-4</th>
<th>2-9</th>
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</thead>
<tbody>
<tr>
<td>I Want Your Sets</td>
<td>25-10</td>
</tr>
<tr>
<td>Set to Kill</td>
<td>30-15</td>
</tr>
</tbody>
</table>

Rudy Dogs 11-2 | 10-15 | 23-0 |

TORCHY

N. Gate Opens at Noon
In an attempt to improve traffic flow and reduce both volume and the possibility of weighting, work-related infrequent traffic is to be cancelled. The Lab will be opening the North Gate at lunchtime for a two-week trial period. From Monday, February 21 until Friday, March 3, the northbound exit lane will be open from 11:45 a.m. to 5:30 p.m. D

Depending on the results and employee feedback this may become permanent.

LABORATORY OPPORTUNITIES - Laboratories

MKX589. ADMINISTRATIVE POSITION - Requires a bachelor’s degree in business administration or equivalent experience. The position is in the Life Sciences. Requires a bachelor’s/maurer’s degree in an appropriate discipline and 3-5 years of analytical and communication skills (oral and written). Proficiency in MS Word and PowerPoint and experience in inter- preting and applying DOE and other Federal regulations. Will provide direct administrative support to the ALD/LSCE in the areas of interpretation and application of Laboratory policies and procedures. Will assist with Laboratory regulations, coordination of audits and reviews within the Life Sciences. Requires excellent oral and written communication skills and the ability to multi-task and work in a dynamic environment. Will require the ability to support the Laboratory’s mission and to act as liaison between ALD and other stakeholders. Will participate in various Laboratory activities and projects. Will also responsible for providing information to DOE and other organizations. Director’s Office.

NCBS52. NUCLEAR SAFETY ENGINEERING POSITION - Requires a bachelor’s degree in engineering or science, or the equivalent. Excellent communication, and computer skills are required. Will assist with ensuring that the Laboratory is compliant with Nuclear Facilities (FDE) operating, and management is required with a focus on Nuclear Energy and State regulations, including Price Anderson Amendment Act, 10CFR 50.51 and 10CFR 820. The ability to conduct engineering analysis of complex radiological data, identification of nuclear hazards and dose consequences is necessary. Will serve as the Nuclear Safety Engineer for the HSAT. Expert for BNL’s programmatic compliance with Nuclear Facilities (FDE) operating, and management. Will also contribute in Nuclear Energy and State regulations.

OPEN OPPORTUNITIES - Opportunities for Labora- tory Employees and Outside Candidates

MKX565. POSTDOCTORAL RESEARCH ASSOCI- ATE - Requires a Ph.D. in physics or mathematics in the field of cosmic or electrochemistry and com- position of knowledge of historical physical and chemical micro-processes. A background in re- search and a degree in electrical or electronics transport in solids is advantageous. The research is to be conducted with the primary goal of obtaining and key properties of nanoparticle composite materials. The position is fully funded and will be for a period of six years. The position is in the Basic Sciences Laboratory. Research Director.

MKX103. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in materials science or physics in the field of corrosion or electrochemistry and composi- tions knowledge of historical physical and chemical micro-processes. A background in re- search and a degree in electrical or electronics transport in solids is advantageous. The research is to be conducted with the primary goal of obtaining and key properties of nanoparticle composite materials. The position is fully funded and will be for a period of six years. The position is in the Basic Sciences Laboratory. Research Director.

MKX104. POSTDOCTORAL RESEARCH ASSOCIATE - Requires a Ph.D. in materials science or physics in the field of corrosion or electrochemistry and composi- tions knowledge of historical physical and chemical micro-processes. A background in re- search and a degree in electrical or electronics transport in solids is advantageous. The research is to be conducted with the primary goal of obtaining and key properties of nanoparticle composite materials. The position is fully funded and will be for a period of six years. The position is in the Basic Sciences Laboratory. Research Director.

MKX102. BLDG. L663 RECOMMENDATION - Requires a B.S. or equivalent degree, 10 years of experience in Environmental Engineering and 7 years of experience in environmental remediation system design, operation and/or maintenance. Developed and prepared the environmental remediation system design, operation and/or maintenance. Environmental Remediation Division.

MKX124. GIS/CAD GRAPHICS POSITION - Requires an AAS/BS degree in geography, geology, or environmental science, or equivalent experi- ence, strong computer skills, and experience in at least two of the following: Adobe Illustrator or similar graphics package; Arc/View or other GIS system; Autodesk AutoCAD or other software. Experience in graphics design for the Web is optional. Responsibilities will focus on the design and production of maps for environmental programs at BNL and C Rad to staff hydrogeologists. Environmental Restoration Div.

MKX157. BULLET 5020 RESEARCH ASSOCIATE - Requires a bachelor’s degree in chemistry, biochemist- ry, or biology and demonstrated laboratory experi- ence. Knowledge of basic molecular biological techniques and basic computer skills are essential. Requires some work with whole plants in the green- house and plant chambers and laboratory mainte- nance activities such as making stock solutions and ordering supplies. The goal of the project is to improve cotton fiber quality by identifying and manipulating genes that affect fiber length, strength, and the texture. Jill S. Brown.

DD8525. TECHNICAL POSITION - Requires a bache- lor’s degree in accounting or business adminis- tration and 5 years of experience in a similar position reporting to the director of the Department of Medical Budget and Administration, will provide assistance to the department in the areas of budget planning and costing, labor forecasting and cost distribution, and sub-contract management. A working knowledge of Peerspective is desirable as is a knowledge of labora- tory policies and procedures. Proficiency in MS Excel, PowerPoint and Word is required. The ability to work independently, prioritize responsibilities, and respond to deadlines is critical in this position.

DD8520. TECHNICAL POSITION - Requires a bach- elor’s degree in accounting or business adminis- tration and 5 years of experience in a similar position reporting to the director of the Department of Medical Budget and Administration, will provide assistance to the department in the areas of budget planning and costing, labor forecasting and cost distribution, and sub-contract management. A working knowledge of Peerspective is desirable as is a knowledge of labora- tory policies and procedures. Proficiency in MS Excel, PowerPoint and Word is required. The ability to work independently, prioritize responsibilities, and respond to deadlines is critical in this position.

For more information, see the Bulletin, February 4, or call M. Kay Dellimore, Ext. 2873, or Andrea Dehier, Ext. 3347.