

Joseph Rubino D0600009

'Communicating Science' Alan Alda To Give Talk, 4/9

At 9 a.m. on April 9 in Berkner Hall, Lab Director Sam Aronson will welcome Alan Alda, the acclaimed actor and host of PBS' "Scientific American Frontiers," and Howie Schneider, Dean of Stony Brook University School of Journalism and one of the founders of its Center for Communicating Science, to open a program on "Communicating Science." After Alda's keynote speech, a panel of experts — including BNL's Joanna Fowler — will discuss "Who Cares What the Public Thinks about Science?" Aronson encourages as many BNLers as possible to attend this event, which also includes afternoon workshops on science communication.

For agenda information, see pg. 3 and www.bnl.gov/csw/.

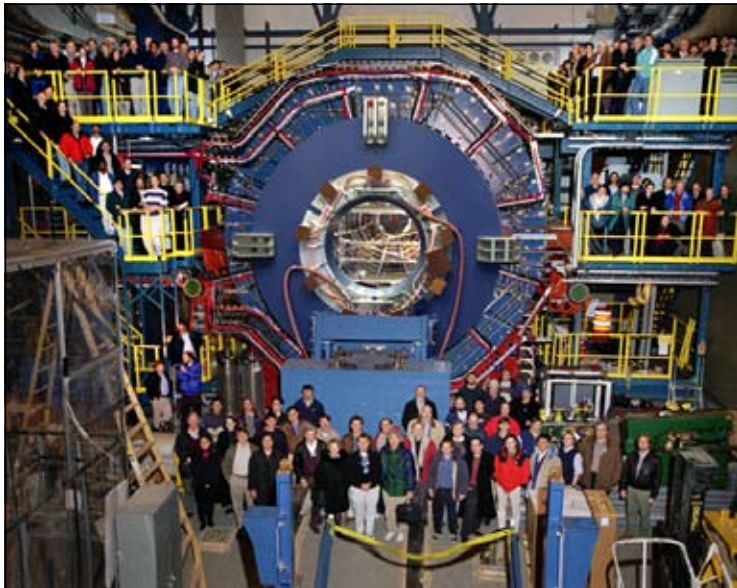
Exotic Antimatter Detected at RHIC

Scientists report discovery of heaviest known antinucleus — the first containing an anti-strange quark — laying the first stake in a new frontier of physics

An international team of scientists studying high-energy collisions of gold ions at the Relativistic Heavy Ion Collider (RHIC), a 2.4-mile-circumference particle accelerator located at BNL, has published evidence of the most massive antinucleus discovered to date. The new antinucleus, discovered at RHIC's STAR detector, is a negatively charged state of antimatter containing an antiproton, an antineutron, and an anti-Lambda particle. It is also the first antinucleus containing an anti-strange quark. The results were published online by *Science Express* on March 4, 2010.

"This experimental discovery may have unprecedented consequences for our view of the world," commented theoretical physicist Horst Stoecker, Vice President of the Helmholtz Association of German National Laboratories. "This antimatter pushes open the door to new dimensions in the nuclear chart — an idea that a few years ago would have been viewed as impossible."

The discovery may help elucidate models of neutron stars and opens up exploration of funda-



Michael Herbert CH2-21-08

At the STAR Detector at Brookhaven Lab's Relativistic Heavy Ion Collider, scientists recently detected the heaviest known antinucleus — the first containing an anti-strange quark.

mental asymmetries in the early universe.

New Nuclear Terrain

All terrestrial nuclei are made of protons and neutrons (which in turn contain only up and down quarks). The standard periodic table of elements is arranged ac-

cording to the number of protons, which determine each element's chemical properties. Physicists use a more complex, three-dimensional chart to also convey information on the number of neutrons, which may change in different isotopes of the same element, and a quantum number

known as "strangeness," which depends on the presence of strange quarks. Nuclei containing one or more strange quarks are called hypernuclei.

For all ordinary matter, with no strange quarks, the strangeness value is zero and the chart is flat. Hypernuclei appear above the plane of the chart. The new discovery of strange antimatter with an anti-strange quark (an antihypernucleus) marks the first entry below the plane.

This study of the new antihypernucleus also yields a valuable sample of normal hypernuclei, and has implications for our understanding of the structure of collapsed stars.

"The strangeness value could be non-zero in the core of collapsed stars," said Jinhui Chen, one of the lead authors, a postdoctoral researcher at Kent State University and currently a staff scientist at the Shanghai Institute of Applied Physics, "so the present measurements at RHIC will help us distinguish between models that describe these exotic states of matter."

See *Antimatter* on pg. 2

Four Scientists at BNL Honored With DOE Early Career Research Grants



Roger Stoulenburgh D06070210

Marivi Fernandez-Serra



Roger Stoulenburgh D06070210

Adrian Gozar

Adrian Gozar, an associate scientist in BNL's Condensed Matter Physics & Materials Science Department, and three university scientists who use BNL's facilities — Marivi Fernandez-Serra, Denes Molnar and Feng Yuan — have been chosen to receive five-year research grants under the DOE Early Career Research Program. They are among 69 researchers from across the nation who will receive up to \$85 million in funding under the American Recovery and Reinvestment Act. The new program is designed to bolster the nation's scientific workforce by providing support to exceptional researchers during their crucial early years, when many scientists do their most formative work.

Under the program, university-based researchers will receive at least \$150,000 per year to cover summer salary and research expenses. For researchers based at DOE national laboratories, grants will be at least \$500,000 per year to cover year-round salary plus research expenses. An overview of the work of each winner follows:

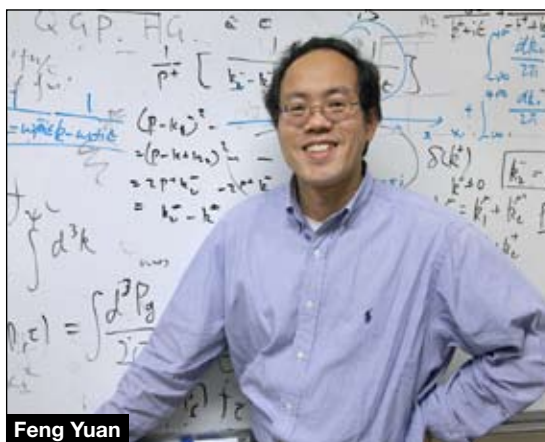


Denes Molnar

Adrian Gozar

Adrian Gozar is funded by the Office of Basic Energy Sciences for "Investigation of the role of inhomogeneities and phase segregation on correlated electron dynamics by optical spectroscopy and nano-imaging."

The goal of Gozar's research is to understand the optical properties of correlated electronic systems — systems that are on the brink of several competing instabilities, or phases. High-temperature superconductors and colossal magnetoresistive oxides are examples of such systems. Gozar will investigate differences in these materials at transitions between insulating, metallic and superconducting phases.



Feng Yuan

Gozar will use specially designed optical spectroscopy and nano-imaging techniques to probe materials at the scale of a nanometer, or a billionth of a meter. An understanding of the structural properties of these materials as they transition between different phases is a crucial step in determining if their functional properties can be improved for potential applications.

Gozar earned a B.S. and M.S. in physics from the University of Bucharest, Romania, in 1997 and 1998, respectively, and a Ph.D. in physics from the University...

See *Early Career Grants* on pg. 2

Two Pegrarn Lectures, 4/12, 4/13 Harvard's Christopher Stubbs Will Discuss Dark Energy, Search For Novel Gravitational Effects

Christopher Stubbs, Chair of the Physics Department at Harvard University, will give two George B. Pegram Lectures — April 12 and 13 — both at 4 p.m. in Berkner Hall. Inaugurated in 1959, the Pegram lectures bring distinguished scholars to the Laboratory to speak on topics of both scientific and general interest. Sponsored by Brookhaven Science Associates, the lectures are free and open to the public. Visitors to the Lab age 16 and over must bring a photo ID.

In his April 12 lecture, titled "Dark Energy: A Crisis for Fundamental Physics," Stubbs will discuss the astrophysical observations that show that the current picture of fundamental physics is far from complete. The discovery in 1998 that the expansion of the universe is accelerating presents physicists with a profound challenge. According to the current laws of physics, the expansion should be slowing down because of the force of gravity. In fact, it is expanding at an ever-faster rate. A hypothetical force, known as dark energy, is believed to be causing this expansion.

This inability to understand the expansion based on current physics theory is known as the "dark energy" problem, and it is arguably the most pressing open question in modern physics. In his April 12 talk, Stubbs will explain why the problem constitutes a crisis, with wide-reaching ramifications.

In the April 13 talk, titled "Searching for Novel Gravitational Effects," he will discuss experiments that explore the



issue and scientific observations about it.

An experimental physicist, Stubbs' interests include experimental tests of the foundations of gravitational physics, searches for dark matter, and observational cosmology. With a Ph.D. in physics from the University of Washington (UW) in 1988, he worked at the University of California (UC), Berkeley, UC Santa Barbara, and UW before joining Harvard in 2003, where he was named Physics Chair in 2007.

Stubbs' numerous awards include a 1993 R&D 100 Award from *R&D Magazine* for inventing the MACHO camera digital imaging system, used in the experimental search for dark matter. He was a Sloan Fellow 1993-95, and a Packard Foundation Fellow, 1994-99. He received the 1996 National Academy of Sciences Award for Initiative in Research, then in 1999 he became a Fellow of the American Physical Society and a Centennial Fellow of the McDonnell Foundation. He was also honored with the NASA Achievement Medal, 2000, and the Gruber Foundation Cosmology Prize, 2007. — Diane Greenberg

Hispanic Heritage Club
Offers \$500 Scholarships

The BERA Hispanic Heritage Club is accepting applications for five \$500 scholarships for high-school seniors.

Applicants should: Be a high school senior graduating in 2010; have a minimum 3.0 cumulative GPA on a 4.0 scale (or equivalent); be accepted by a college for fall 2010 classes to pursue a degree in science or engineering; be a Long Island resident attending Bellport, Brentwood Union Free, Central Islip, Longwood, Patchogue-Medford, Riverhead, Sachem Central, or William Floyd High Schools; have some degree of Hispanic ancestry; and be a U.S. citizen or legal permanent resident with a valid permanent resident card. For more information, see www.bnl.gov/bera/activities/hispanic, or contact Yvette Malavet-Blum, malavet@bnl.gov, Ext. 5591.

BSA Noon Recital, 4/7
Opera in Preview

The next BSA Noon Recital will be held on Wednesday, April 7, in Berkner Hall, with a performance preview of Cavalli's Opera *Eliogabalo*, featuring one complete semi-staged act, sung in the original Italian with projected subtitles, and directed by David Lawton, with accompaniment on period instruments directed by Arthur Haas. Stony Brook Opera and Stony Brook Baroque Ensemble will present the complete *Eliogabalo* on Friday April 9, at 8 p.m., and Sunday, April 11, at 2 p.m. in the University's Staller Center.

The BNL performance, sponsored by Brookhaven Science Associates, the company that manages BNL, is free and open to the public. Visitors to the Lab of 16 and older must carry a photo I.D.

Arrivals & Departures

— Arrivals —

Ralph Rimmer.....Chemistry

— Departures —

Riccardo De Maria.....C-AD

Andrei Dolocan.....Chemistry

Christopher Dropp.....Biology

Antimatter from pg. 1

...The findings also pave the way towards exploring violations of fundamental symmetries between matter and antimatter that occurred in the early universe, making possible the very existence of our world.

Collisions at RHIC fleetingly produce conditions that existed a few microseconds after the Big Bang, which scientists believe gave birth to the universe as we know it some 13.7 billion years ago. In both nucleus-nucleus collisions at RHIC and in the Big Bang, quarks and antiquarks emerge with equal abundance. At RHIC, among the collision fragments that survive to the final state, matter and antimatter are still close to equally abundant, even in the case of the relatively complex antinucleus and its normal-matter partner featured in the present study. In contrast, antimatter appears to be largely absent from the present-day universe.

"Understanding precisely how and why there's a predominance of matter over antimatter remains a major unsolved problem of physics," said Brookhaven physicist Zhangbu Xu, another one of the lead authors. "A solution will require measurements of subtle deviations from perfect

Dr. Mow Shiah Lin
Scholarship Offered

Applications are now being accepted for the sixth Dr. Mow Shiah Lin Scholarship, sponsored by the Asian Pacific American Association (APAA) at BNL. The annual \$1,000 scholarship was initiated to honor the late BNL scientist for whom it is named.

In memory of Lin's distinguished research, achievements, and inventions, the scholarship is granted each year to an Asian immigrant with a student visa who is matriculating toward a doctorate in environmental & energy technology, biology, or chemistry at an accredited institution of higher education on Long Island, including Brooklyn and Queens, which is reminiscent of how Lin began his career.

BNL scientists and members of APAA choose the winner. The selection criteria include academic records, references, career goals, and other factors deemed appropriate by the selection committee. The scholarship is granted independent of financial need.

Applications and more information can be obtained by calling BNL's Diversity Office at 631 344-6253, by sending an e-mail to sge@bnl.gov, or by visiting the APAA website at <http://www.bnl.gov/bera/activities/apaa/>. The application deadline is May 31, 2010.

TIAA-CREF Counseling

A TIAA-CREF consultant will visit BNL on Wednesday, 4/7; Thursday, 4/8; Thursday, 4/15; Tuesday, 4/20; and Wednesday, 4/28. For an appointment, call 1-800-732-8353 or go online at <http://www.tiaa-cref.org/bnl> and select "set up a meeting."

Fidelity Counseling

A Fidelity representative will be on site on Friday, April 23, and Friday, May 7. Sessions will be for approximately half an hour. For an appointment, call 800-642-7131, weekdays, 8 a.m. – midnight, or go to <http://www.fidelity.com/atwork/reservations>.

symmetry between matter and antimatter, and there are good prospects for future antimatter measurements at RHIC to address this key issue."

The STAR team has found that the rate at which their heaviest antinucleus is produced is consistent with expectations based on a statistical collection of antiquarks from the soup of quarks and antiquarks generated in RHIC collisions. Extrapolating from this result, the experimenters believe they should be able to discover even heavier antinuclei in upcoming collider running periods. Theoretical physicist Stoecker and his team have predicted that strange nuclei around double the mass of the newly discovered state should be particularly stable.

RHIC's STAR collaboration is now poised to resume antimatter studies with greatly enhanced capabilities. The scientists expect to increase their data by about a factor of 10 in the next few years.

The STAR collaboration is composed of 54 institutions from 13 countries. Research at RHIC is funded primarily by the DOE Office of Science and by various national and international collaborating institutions. A full list of RHIC funding agencies is at <http://www.bnl.gov/rhic/funding.asp>. — Karen McNulty Walsh

Safety: Making it Personal

"Personnel safety is personal," says Gerry Van Derlaske of National Synchrotron Light Source II (NSLS-II). With these four words, Van Derlaske sums up his outlook on safety.

Encounter Van Derlaske at large-group meetings or walking through any of the directorate's 16 or so buildings and you will hear a safety report, a safety tip, a safety warning, or a safety story. With a friendly smile, he will also ask you for any safety concerns or if you have a safety suggestion. Pretty soon, you will find yourself personalizing safety just as he has.

Van Derlaske is a work-control manager for NSLS-II. He is responsible for oversight of all work to make sure it's screened properly. Also, as building managers, Van Derlaske, Joanne Giambalvo and Tony Mendez (for NSLS-II), and Bob Kiss (NSLS complex) all go about their business in partnership with environment, safety, health and quality-assurance professionals in the Light Sources Directorate.

"I like to solicit ideas from staff," Van Derlaske says. "If they have any safety concerns, I keep track of them and address them as soon as possible. It's important for people to see that management believes in safety and takes it seriously."

The tracking list that Van Derlaske has been maintaining since fiscal year 2007 shows a variety of safety suggestions. Here's a sampling:

From Frank Lincoln: Install automatic external defibrillators, or AEDs.

Early Career Grants from pg. 1

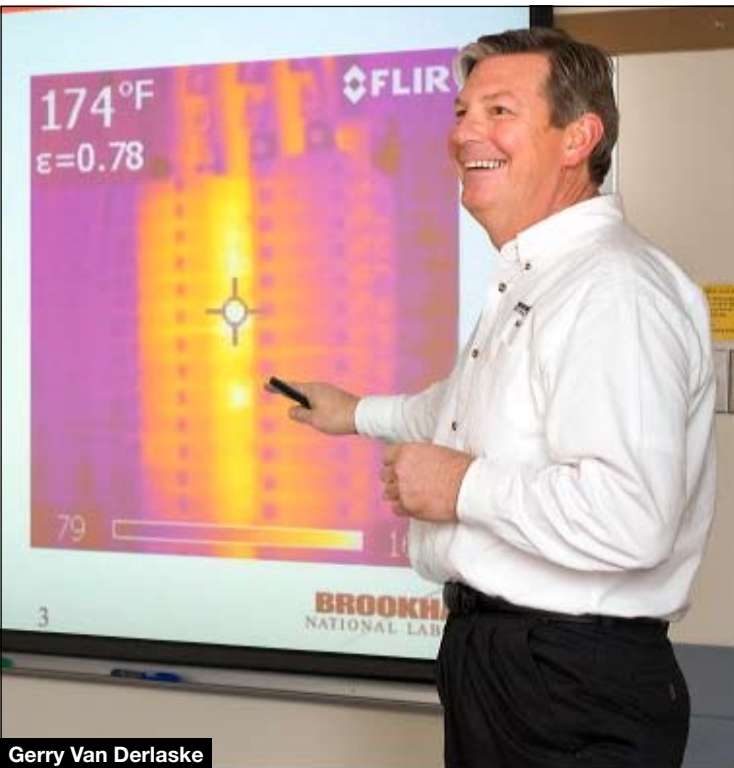
...at Urbana-Champaign, in 2004. He joined BNL as a Distinguished Goldhaber Fellow in 2004, became an assistant scientist in 2007, and an associate scientist in 2009.

Denes Molnar

Denes Molnar is funded by the Office of Nuclear Physics for "Viscosity and equation of state of hot and dense QCD matter."

Molnar studies heavy ion collisions at BNL's Relativistic Heavy Ion Collider (RHIC), where matter known a quark-gluon plasma, which is believed to have existed just for microseconds after the Big Bang, heats up to 4 trillion degrees Celsius — the hottest temperature ever reached in a laboratory and 250,000 times hotter than the center of the sun. Exciting recent results from RHIC indicate unique properties of quark-gluon plasma, such as surprisingly low viscosity. However, these results rely on simplified models of collision dynamics. The focus of Molnar's research will be to greatly improve the theoretical description of the collision dynamics, and thereby enable a reliable determination of the properties of the plasma.

After attending Eötvös University in Budapest, Hungary, for his undergraduate physics education 1992-1995, Molnar earned a M.Sc. in physics from the University of Bergen in Bergen, Norway in 1997, and he then came to the U.S., where he earned a Ph.D. in physics from Columbia University in 2002. He did postgraduate research at The Ohio State University from



Kathy Robinson: Solve trip hazard created by cord covers blending in with carpet in Physics auditorium.

Satoshi Ozaki: Install convex mirrors in the hallways of Bldg. 817 to prevent people from colliding when they round corners.

Peter Esposito: Rearrange office in Bldg. 902 to prevent occupants from bumping heads.

Joanne Giambalvo: Install a power pole to get extension cords off the floor in Bldg. 832.

Van Derlaske thanks all the people who come to him with safety suggestions, noting that they are implemented and that we are all safer as a result.

Van Delaske gets a lot of posi-

tive feedback from staff. And individuals now tell him how they, too, have personalized safety by wearing safety glasses when cutting the grass at home, not standing on chairs, being safe on ladders, and taking the time to get the right tools.

"This directorate is my extended family," says Van Derlaske. "I want people to go home in the same condition that they came to work. I know what it feels like to get that unexpected, "someone has been seriously injured" phone call. I don't ever want to make that phone call, nor have any of our staff family members receive such a phone call."

— Mona S. Rowe

2002 to 2005, and he received a joint appointment as assistant professor at Purdue University and RIKEN fellow in the RIKEN BNL Research Center in 2005.

Marivi Fernandez-Serra

Marivi Fernandez-Serra is funded by the Office of Basic Energy Sciences for "First Principles Modeling of Metal-Electrolyte Systems: A Novel Approach to the Study of the Electrochemical Interface."

Fernandez-Serra, who is an assistant professor in the Physics & Astronomy Department at Stony Brook University (SBU), uses New York Blue, a supercomputer that is the centerpiece of the BNL/SBU-led New York Center for Computational Sciences, and a computer cluster at the Center for Functional Nanomaterials for her research on electrochemical interfaces. These sophisticated computing facilities at Brookhaven enable her to make high-level quantum mechanical calculations to study the dynamics of atoms and electrons in liquid-metal interfaces on a timescale of less than a billionth of a second. Understanding the physics and chemistry of these interfaces is important for designing efficient fuel cells.

After earning a B.S. and M.S. in physics and condensed matter physics in 1999 and 2001, respectively, from *Universidad Autónoma de Madrid*, Spain, Fernandez-Serra earned a Ph.D. in physics in 2004 from Cambridge University. She was a postdoctoral associate at *Université Claude Bernard Lyon 1*, Lyon, France, 2005-06, and at the *Cen-*

tre Européen de Calcul Atomique et Moléculaire, also in Lyon, France, 2006-08. She joined SBU as an assistant professor in 2008.

Feng Yuan

Feng Yuan is funded by the Office of Nuclear Physics for "Theoretical investigation of Nucleon Structure."

Understanding the structure of the nucleon — the neutron and proton that make up the atomic nucleus — is a fundamental focus of subatomic physics and has been the subject of intensive study over the last several years. Yuan has proposed an investigation of nucleon structure using quantum chromodynamics, a theoretical framework that requires complex mathematical computations. His research may reveal important information about a proton's spin, an intrinsic property of subatomic particles that is similar to earth spinning on its axis. These studies are relevant to RHIC's polarized proton program and the future electron-ion collider, called eRHIC, which might make it possible to discover a new state of nuclear matter.

Yuan earned a B.S. and Ph.D. in physics from Peking University, Beijing, in 1995 and 2000, respectively. He was a postdoctoral research associate at Heidelberg University from 2000 to 2002, at the University of Maryland at College Park from 2002 to 2004, and at the RIKEN BNL Research Center at BNL from 2004 to 2007. Since 2007, he has been a Division Fellow and RHIC Fellow at Lawrence Berkeley National Laboratory.

— Diane Greenberg

Vote for Four BERA Board Members, 4/5-8

An election for four BERA Board members will be held next week, from Monday, April 5 through Thursday, April 8. Eight candidates are running — John Addressi, Linda Barrett, Ruth Comas, Augie Hoffmann, Georgia Irving, Kim Mohanty, Joe Vignola, and Susan Wells — and the Lab community is asked to vote for four of them. This will be a four-year term beginning May 2010. A brief summary of each candidate’s experiences in BERA activities and reasons for wanting to be a Board member appeared in the March 26 Bulletin, and is also available from the BERA website, <http://www.bnl.gov/bera/>.

You may vote for four candidates. Those eligible to vote must be active employees of BNL, BSA, DOE or permanent on-site employees. Retirees, guests, and contractors may not vote.

Online voting from the BERA website will begin on Monday, April 5, and close on Thursday, April 8, at 5 p.m. Paper ballots will be available from 11:30 a.m. to 1:30 p.m. on Tuesday and Wednesday, April 6 and 7 in Berkner Hall lobby by the coat room; and on Thursday, April 8 in the Bldg. 400 lobby, by the credit union.

In Memoriam

Viola McKenzie, who joined the Lab as a secretary in the Health Physics Division on August 5, 1957, and retired from that division as a senior administrative services assistant on December 31, 1983, died on July 23, 2009, at the age of 84.

Allen Goland, who came to the Physics Department as a research associate on September 24, 1956, becoming a guest assistant physicist from October 1958 until August 1963, then joining the Lab as an associate physicist on September 1, 1963, died at 79 on January 14, 2010. In 1966, he was named a physicist, was granted tenure in 1968, and became a senior physicist in 1973. On July 1, 1982, he moved to the Department of Applied Science as Associate Department Chair, becoming Deputy Department Chair in April 1987. He returned to research in October 1989, and retired as a senior physicist on September 30, 1996. After retirement, he became a guest senior physicist in October 1996, then held a consultant position in the Energy Sciences & Technology Department from August 2001 to July 2008.

Eleanor Mitchell, who joined the Department of Nuclear Energy on May 21, 1962, as a secretary B, moved to the Department of Applied Science from 1969 to 1977, then returned to Nuclear Energy, died on February 17, 2010. She was 77. She retired as a senior secretary on December 30, 1994.

Knud Knudsen, an M.D. who joined the Medical Department as an associate scientist on September 14, 1964, and retired as a scientist on February 1, 1980, died at 89 on February 7, 2010. He had first joined the Lab as a research collaborator in Medical from November to December, 1962, then, after retiring, he became a guest researcher from July 1982 to September 1983.

ASAP Talk on Intellectual Property, 4/22

The Association of Students and Postdocs (ASAP) invite all students and postdocs at the Lab to attend a talk on intellectual property on Thursday, April 22, at 6:30 p.m. in the ASAP lounge (Bldg. 462). Speakers from the Lab’s Office of Technology Commercialization and Partnerships include Chief Intellectual Property Counsel Dorene Price and Principal Licensing Specialist Kimberly Elcess.

The Office of Technology Commercialization and Partnerships will provide refreshments.

BERA Spring Fling! 4/23

Enjoy DJ Dancing at the Brookhaven Center North Room, 6-11 p.m., on Friday, April 23. Tickets (150 limit) are available for \$5 each at the BERA Store in Berkner Hall. For more information, call Kevin Hester, Ext. 2953, or Charles Gardner, Ext. 5046.

For Rent

BELLPORT – 1 bed, 1 bath unfurn. apt, nr shops, beach, heat/hot water incl, sec, 1st/last mo rent, refs, req 1 yr lease, no smkg/pets. \$1,075/mo. Sarah, 521-5301.
CALVERTON – 1 bdrm bsmt apt, sep ent, 10 mins to Lab. \$800/mo. 516-903-4783.
KISSIMMEE, FL – Timeshare, 2-bdrm unit, sleeps 8, avail in Orlando, 15 mins to Disney Wrlld, pics: www.calypscocay.com. \$1,200/wk neg. Ext. 5894, nrivera@bnl.gov.
MANORVILLE – new 1-BR basement apt, w/d, M/wave, no stove, hot plate OK. I/net, cable. Non-smkr. Pvt ent. \$1,000/mo, utils incl., refs req. Short term stays poss. 591-2451.
MANORVILLE – 1 bdrm, l/k combo full bath, pvt ent, v/quiet, 9 miles to Lab, utilities inc, single only, no smkg/pets, please. \$800/mo. Dhruba, Ext. 3849, 591-1315.
MASTIC – 1 bdrm, eik, full bath, den, own ent/drway, 1 mo sec, no smkg/pets, 10 min to Lab, all incl. \$850/mo. joe mondi, Ext. 3499, 219-7241.
MASTIC BEACH – spacious 1 full bth, l/r & kit, priv ent/drwy, no smkg/pets, sec & ref req, lease provided & immed occp, all incl except cable. \$900/mo. 281-4559.
MILLER PLACE – Share lg furn, Colonial hse, 8 mi to BNL, full kit, own bdrm. int/ tv/ac/heat all incl, responsible non-smkr. \$675/mo. 744-8386.
MILLER PLACE – studio apt, terrace, priv, incl, elec, heat, cable. \$1,400/mo. Robert, 473-3777.
ROCKY POINT – 1 bdrm upper unit, kit, bath, l/r, balcy, quiet co-op comm, nr stores, Indry rm on prem, prkg, no smkg/pets, cac, incl gas/water. \$1,150/mo. 806-5965.
ROCKY POINT – 1 bdrm, second floor, priv. drive, incl. some util, no smkg/pets. \$795/mo. 821-3287.

ROCKY POINT – 2bdrm apt, w/poss. 3rd bdrm in attic, walk to beach, w/d, d/w, brick f/p, all util incl except cable/int/phone, 15mins to Lab. \$1,300/mo. Chris, Ext. 5063.
YAPHANK – 1 bdrm, fully furn v/comfortable/quiet, computer, magic motion bed, tv/a/c,w/w carpet, new m/wave & fridge, immac, mins to Lab. \$900/mo. 924-3929.

For Sale

LOS ALAMOS, NM – “L” ranch, 2700 sq.ft, quiet, 3 bdrm, 3.5 bath, country kit, great rm, den w/fp, fin bsmt, car gar, a/c. \$359,000 neg. Joseph, Ext. 2567, 873-7547.
CENTER MORICHES – land, 4 lots, 2-1/acre; 2+2/acre, horses allowed on all lots. \$650,000. 878-1178 or murdock@bnl.gov.
SHOREHAM – N. of 25A, 5 bdrm, 3 bth, lg fam rm w/fp, eik, dn/lr, all wd flrs, fin bsmt w/2 bdrm, bth, kit, windows, poss M/D. igp, walk to priv beach. \$389,000. 518-506-3146.

Wanted

19 – looking for a used gd cond 19”-20” TV. Charlie, Ext. 4736.
BLACKTOP DRIVE WAY – I need my drway patched and resealed w/blacktop. Christine, Ext. 7101, 455-3194.
CANNED FOOD – for Long Islanders in need. Please drop off donations at BNL Food Drive collection points, e.g. Bldg. 400 lobby; or Bldg. 179, near Mail Room. Many thanks.
DONATIONS OF DOG/CAT FOOD – food needed for pets of struggling families/elderly of L.I. Also need help with collecting . Kathleen, Ext. 3161 or kratto@bnl.gov.
LIFTGATE TRUCK ASSISTANCE – need to move a mechanics tool chest W-73” D-30” H-46” @ 1,600# on wheels and 80gal vertical Air compressor 750# H-8” from Levittown to Rocky Point. Richard, Ext. 7443.

‘Communicating Science’ Workshop, 4/9

Learn new, engaging ways to tell the story of your science at the April 9 “Communicating Science” Workshop, featuring acclaimed actor and host of PBS’ “Scientific American Frontiers,” Alan Alda. After a panel discussion, this free workshop will offer sessions on distilling a message, improvisation, interacting with media, and writing op-ed articles and letters to public officials. You can also learn about new media, such as blogs and podcasts. Registration information is available at <http://www.bnl.gov/csw/>. No registration is needed to attend the morning session. For more information, contact Jeanne Dascoli, dascoli@bnl.gov, Ext. 2277.

Schedule

8:30 – 9:00 a.m. 9 – 9:10 a.m.

9:10 – 9:30 a.m. 9:30 – 10:45 a.m.

Sign-in: Coffee and tea provided
Welcome: Brookhaven Lab Director Sam Aronson and Stony Brook School of Journalism Dean Howard Schneider
Opening Remarks: Alan Alda
Panel discussion and Q&A: “Who Cares What the Public Thinks About Science?” Panelists are: David Conover, Dean of the School of Marine and Atmospheric Sciences at Stony Brook; Cornelia Dean, former science editor of *The New York Times*; Joanna Fowler, Director of Radiotracer Chemistry, Instrumentation and Biological Imaging Program at BNL and 2009 recipient of the National Medal of Science; Earl Lane, senior communications officer for the American Association for the Advancement of Science (AAAS); and Christie Nicholson, contributing editor to *Scientific American* online.
Session: Distilling Your Message. An important session for anyone who speaks with the public. Meeting in small groups with a facilitator, you’ll craft a short, clear statement, intelligible to a non-scientist about what you do and why it matters.
Lunch: Provided for registered participants

For the afternoon sessions, you can take either Improvisation or two of the other three workshops listed below.

1 – 4 p.m.

Improvisation Workshop: This innovative program, pioneered by Alan Alda at Brookhaven Lab and Stony Brook University, uses improvisational theater games to help you speak more spontaneously and connect more directly with your audience and each other. This is not about acting; it’s about helping you communicate more effectively. A video preview can be seen at the Center for Communicating Science web page: <http://www.stonybrook.edu/journalism/science/>
Workshop (Select one session listed below)
1. Writing for the Public: Basics of how to write clearly for the public, with an emphasis on op-ed articles, letters to the editor, and letters to public officials.
2. Interacting with the Media: How to be interviewed, especially on television, with taping of practice mock interviews.
3. Using Newer Media: How to use blogs, podcasts, and social media sites as ways of communicating about science.
Workshop (Select one of the sessions below)
1. Writing for the Public
2. Interacting with the Media
3. Using Newer Media
Wrap-up and Evaluation

2:45-4:15 p.m.

4:15 – 4:45 p.m.

Dance With Us! New Dance Lesson Series Starts 4/7

Why? Have fun, meet people, change routine, get exercise
Do I need a partner? No!
I’m not sure... new people can try it out for two weeks for free
Dance what? Beginner Cha-cha, 5:15-6:15 p.m.
Intermediate West Coast Swing, 6:15-7:15 p.m.
Intermediate Bolero, 7:15-8:15 p.m.

When: for six Wednesdays, starting April 7
Where: Brookhaven Center north ballroom
How much: \$35 for the six-week series
Who? BNL employees, retirees, official BNL visitors and their immediate families (spouse and children). Each BERA member may bring a partner, but a partner is not necessary to participate. For more information contact: Kathleen Tuohy, Ext. 3845; Donna Grabowski, Ext. 2720; Mike Hanson, Ext. 2947; John Millener, Ext. 3853; or Kerry Mirabella, Ext. 2632.

Celebrate Earth Week: Office Supply Swap, 4/19, 20

As part of the Lab’s Earth Week celebrations taking place this year during the week of April 19, the annual Office Supply Swap will be held on Monday and Tuesday, April 19 and 20, from 11 a.m. to 1 p.m. in Berkner Hall lobby.

Here’s your chance to spring clean your offices, supply clos-

ets, and conference rooms of items that are no longer used, but are still in good condition — and bring them to Berkner on April 19 and 20 to be recycled. One exception — no bar-coded items may be swapped. Even if you have nothing to bring, stop by Berkner and take away any item you want

CALENDAR

Friday, 4/2

BWIS Starts New Networking Group

Noon. Berkner Hall, Room B. All welcome. Melissa Bittrolff, Human Resources & Occupational Medicine Division, will discuss benefits.

— WEEK OF 4/5 —

Mon.-Thurs. 4/5-8

*Vote for BERA Board Members

See notice at far left and <http://www.bnl.gov/bera/>.

Wednesday, 4/7

*BSA Noon Recital: Opera

Noon. Berkner Hall. One act of Cavalli’s *Eliogabalo*. See pg. 2.

Thursday, 4/8

Sam’s Club Membership Drive

11 a.m.-2 p.m. Berkner lobby. \$15 gift card for renewals and new memberships in Sam’s Club.

Friday, 4/9

*Communicate Science With Alda

9 a.m. Berkner Hall. Alan Alda is keynote speaker in a program on improving science communication. See pg. 1 and at left.

— WEEK OF 4/12 —

Monday, 4/12

*Pegram Lecture I : Dark Energy

4 p.m. Berkner Hall. Christopher Stubbs, Harvard University, will give a talk on “Dark Energy: A Crisis for Fundamental Physics.” All are invited to this free lecture, open to the public. Visitors to the Lab of 16 and older must carry photo ID. See pg. 1.

Tuesday, 4/13

BREA Meeting

1-2:30 p.m. Research Support Bldg. 400, Conference Room 1. Brookhaven Retired Employees Association meeting. All retirees welcome.

*Pegram II : Gravitational Effects

4 p.m. Berkner Hall. Christopher Stubbs, will talk on “Searching for Novel Gravitational Effects.” All are invited to this free lecture, open to the public. Visitors to the Lab of 16 and older must carry photo ID. See pg. 1.

Friday, 4/16

*‘Spider’ John Koerner, Guitarist

8 p.m. B’haven Center. See pg. 4.

— WEEK OF 4/19 —

Monday, 4/19

IBEW Meeting

6 p.m. Centereach Knights of Columbus Hall, 41 Horseblock Rd., Centereach. 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.

Retirees, Friends Lunch, 6/9

Save Wednesday, June 9, for the Brookhaven Retired Employees Association (BREA) annual get-together luncheon at the Bellport Country Club. The four-course meal with coffee or tea and unlimited wine, beer or soda is \$35. Send a note and check made out to BREA for \$35 per person, to BREA, BNL, Bldg 421, Upton, NY 11973-5000. Include your name, address, phone, and e-mail (if applicable); names of others in your party; and any special requests, such as help needed with transportation. For more information, call Martine O’Connor, 631-286-9725.

for free. In the past, paper, notebooks, pads, pens, pencils, folders, binders, calculators, staplers, 3-hole punches, computer related accessories, etc., were all recycled for use within the Lab. So: clean house, minimize waste, help the recycling effort, and get things for free — a win-win-win-win!

Classified Advertisements

To apply for a position, go to www.bnl.gov. Select "Job Opportunities," then "Search Job List."

LABORATORY RECRUITMENT - Opportunities for Laboratory employees only.

SENIOR ADMINISTRATIVE ASSISTANT (A-5) - Requires some form of secretarial or office administration training, plus ten years of experience (which includes a minimum of two years at BNL as an administrative assistant). A bachelor's degree in a business or related field may offset qualifying experience, with the exception of the two years' experience at BNL as an administrative assistant. Requires excellent communication and interpersonal skills including an in-depth knowledge of Lab practice, policies, and procedures. Must possess proficiency in MS Office Products such as Word, Excel, PowerPoint, Access and Outlook as well as a strong working knowledge of PeopleSoft. Regularly applies independent judgment and is capable of representing Brookhaven effectively with external organizations and partners. Arranges conferences and meetings, attends meetings and records minutes for distribution. Collects and analyzes data, and summarizes findings on complex assignments and projects related to intellectual property, Lab business development, partnerships and the general business of TCP. Has a wide variety of high-level contacts both within and outside the Lab which are considered significant and critical to the efficient operation of the office and its functions. Coordinates administrative functions effectively with administrative staff specialists within TCP and in the BNL Intellectual Property Law group. Responsible for assisting the Manager of the Office of Technology Commercialization and Partnerships (TCP), in the coordination and direction of the team dealing with innovation management, external partnerships and new business development for Brookhaven National Laboratory. Recommends, initiates, and implements policies, practices, and procedures in areas of functional responsibility. Screens and responds in a business-friendly way to inquiries and administrative issues involving both routine and non-routine matters for which there might not yet be an established practice, policy, and procedure. Technology Commercialization and Partnerships. Apply to Job ID #15281.

MASTER METAL WORKER (LG-10) - Works from prints, sketches or verbal instructions. Sets up and operates machine tools, and also performs benchwork, in the fabrication and finishing of metal or associated products on jobs which require the application of individual ingenuity in solving problems of method, or results required, where previous standards of operation have not been established. Maintenance & Fabrication Services. Interested candidates submit a transfer form to Diana Hubert, Bldg. 400B. JOB ID #15118.

OFFICE SERVICES ASSISTANT - (CW-2, term appointment) - Requires a high school or equivalency diploma and a minimum of two years' related work experience. Excellent oral and written communication skills are required, as is knowledge of MS Word, Outlook, Excel, and Access database systems. Knowledge of Adobe Acrobat PDF files and scanning of text documents is also a plus. Must be able to work independently within established procedures, concentrate on detail, handle non-routine office matters and work well with internal customers. Should have a working knowledge of basic office procedures and of Lab practices, policies, and procedures. Under direct supervision, carries out basic work assignments that may require the appropriate selection of detailed guidelines and procedures. Duties include working with the staff of the Chemical Management System (CMS). Will maintain the Material Safety Data Sheet (MSDS) database, input new MSDS, and respond to inquiries for MSDSs. Additional responsibilities are to support the CMS program with database entry. Safety & Health Services Division. Apply to Job ID #15270.

OPEN RECRUITMENT - Opportunities for Lab employees and outside candidates.

ASSOCIATE PHYSICIST - INSERTION DEVICES (S-2) - The NSLS-II Project at Brookhaven National Laboratory is seeking a scientist to work in the Insertion Device Group and contribute to developing the state-of-the-art magnetic measurement facility, certify various insertion devices and commission those in NSLS-II storage ring. Responsibilities will include developing and certifying the novel insertion devices, and commissioning these devices in accelerators. Will report to the NSLS-II Insertion Device Group Leader. Requires a Ph.D. in physics or related discipline, a minimum of four years' post-doctoral experience, knowledge and experience in the development of storage ring insertion devices, knowledge of magnetic design and measurement and their effects on beam dynamics, excellent written and oral communication skills and the ability to interact effectively with a diverse group of scientists, technical staff, and users. Knowledge and experience in storage ring accelerators, TOSCA@ and/or Radia and superconducting magnetic devices is highly desirable. National Synchrotron Light Source-II. Apply to Job ID #15274.

POSTDOCTORAL RESEARCH ASSOCIATE (two positions) - (Structural Biology, Biochemistry) - Requires a Ph.D. in biophysics, biochemistry, or related field and a strong background in biochemistry or structural biology. Will investigate the structure and function

of several important protein complexes by cryo-EM and X-ray crystallography. Should have a recent Ph.D. with research interests in macromolecular structural biology. Facilities available include a JEOL 200 kV FEG TEM and access to National Synchrotron Light Source. BNL offers competitive compensation commensurate with relevant experience and qualifications. Candidates should submit a CV, a description of research interests, and list the names and email addresses of three references. Under the direction of Huilin Li, Biology Department. BNL policy states that Research Associate appointments may be made to those who have received their doctoral degrees within the past five years. Apply to Job ID #15272.

POSTDOCTORAL RESEARCH ASSOCIATE (Lithium Batteries. Reposting) - Requires a Ph.D. in materials science, physics, electrochemistry, chemical engineering, or chemistry and two years' working experience in lithium battery research field. Experience in using synchrotron based x-ray diffraction and absorption techniques to study lithium battery materials. Knowledge of operating beamline facilities to do data acquisition and analysis. Ability to design new synchrotron based experiments for lithium battery research. Transmission Electron Microscopy (TEM) studies for lithium battery materials. Cyclic voltammetry (CV) on electrolyte studies for lithium batteries. Good writing and oral communications skills for publications and presentations. The research programs that the research associate will be assigned at BNL use a combination of in situ x-ray diffraction (XRD) and x-ray absorption spectroscopy (XAS) at National Synchrotron Light Source (NSLS) to study the cathode and anode materials for energy storage devices such as lithium ion batteries and supercapacitors. Under the direction of X-Q Yang, Chemistry Department. BNL policy states that Research Associate appointments may be made to those who have received their doctoral degrees within the past five years. Apply to Job ID #15170.

MECHANICAL PROJECT ENGINEER I (P-9) - The NSLS-II Project at Brookhaven National Laboratory seeks an experienced mechanical engineer to work in their Insertion Device Group. Will be responsible for planning the work using advanced approaches and techniques to design the mechanical system for the NSLS-II Magnet Development Lab and insertion devices. Additional responsibilities include providing technical expertise in the R&D, design, installation, and commissioning of NSLS-II insertion devices. Requires an advanced degree in Mechanical Engineering and at least ten years of relevant experience in the mechanical design of components for accelerators or other scientific facilities. Must also have excellent written and oral communication skills and be able to interact effectively with a diverse group of scientist, technical staff and users. Knowledge and experience in thermal, structural analysis using ANSYS® and Inventor® and in the design of ultra high vacuum components and cryogenic components is highly desirable. Reports to the NSLS-II Insertion Device Group Leader. National Synchrotron Light Source-II. ERAP Eligible: \$1,000. Apply to Job ID #15275.

ELECTRICAL RESEARCH ENGINEER II (P-7, two-year term appointment) - The National Synchrotron Light Source II (NSLS-II) Diagnostics and Instrumentation Group seeks an experienced electrical engineer to collect system and subsystem requirements, develop interface control documents and implement, deploy, integrate and commission various diagnostics and beam instrumentation subsystems. Will also work as a contributing member of a team of system engineers, direct the work of technicians during all phases of construction, commissioning and operation of the NSLS-II beam diagnostics systems and perform other tasks as they are identified. Requires a bachelor's degree in electrical/electronics engineering, a minimum of seven years of applicable experience in the operation of test equipment including high-speed digital signal analyzers, logic analyzers, network analyzers, and spectrum analysis, demonstrated expertise in laboratory measurement, a successful track record in analog and digital signal processing, excellent written & verbal communication skills and the ability to interact with a diverse group of scientists and technical staff. A master's degree in electrical/electronics engineering, experience in design, development and operation with accelerator particle and photon beam diagnostics instrumentation with exposure to FPGA technology, and experience in high speed digitization with FPGA technology is highly desirable. Reports to NSLS-II Diagnostics & Instrumentation Group Leader. National Synchrotron Light Source II. ERAP Eligible: \$1,000. Apply to Job ID #15276.

RESEARCH ENGINEER II (P-7) - FIELD PROGRAMMABLE GATE ARRAY (FPGA) - The NSLS-II Project is seeking an FPGA engineer to create high level circuit designs from system level specifications, generate detailed designs using VHDL and Verilog, verify designs employing the latest simulation and verification tools, capture designs using schematic capture, and guide the PCB design layout. Working as a team member, the candidate will also integrate the overall FPGA signal processing, communication, and embedded elements into seamless design performing post-compilation performance analysis of the overall digital system. Reporting to NSLS-II Diagnostics and Instrumentation group leader, will work closely with the senior engineering staff in the design, fabrication and integration of RF/analog and digital systems for new sub-micron

beam position monitor development and other diagnostics instrumentation. Requires a bachelor's degree in electrical engineering or physics, advanced degree preferred, and seven years' experience in the design and analysis of high-speed RF, analog and digital electronics employing state-of-the-art techniques, experience in the operation of test equipment including high-speed digital signal analyzers, logic analyzers, network analyzers, and spectrum analysis, expertise in laboratory measurement and analysis techniques performing circuit and system level performance analysis and verification in a development environment, and an in-depth understanding of the latest FPGA architectures and digital hardware techniques. Must also be proficient in DSP, Embedded real-time signal processing and creating models of complex signal processing architectures using Matlab, Simulink, Xilinx, and C/C++ tools. National Synchrotron Light Source II. ERAP Eligible - \$1,000. Apply to Job ID #15154.

APPLICATIONS ENGINEER (I-6)/ADVANCED APPLICATIONS ENGINEER (I-7) - The National Synchrotron Light Sources Directorate's Business Systems Development Group is seeking a well-qualified individual to provide SharePoint development expertise in support of three critical areas: (1) to properly guide end users and to help define and apply SharePoint best practices within the directorate; (2) to help guide the overall architecture of the SharePoint environment; and (3) to develop custom tools and solutions built on the SharePoint platform that complement an overall development architecture for the directorate. Will design, code, test, support and document business applications utilizing the full capabilities of Microsoft SharePoint, and act as a resource to coordinate with management, support staff, technical personnel, vendors, and users to solve problems as required. Provides expertise with architecture, design, best practices and supports user request. As part of a development group, will be the primary contact for SharePoint development. The ability to handle multiple priorities is essential. Requires a bachelor's degree in computer science, information technology or a closely related field, at least three years of development experience using the SharePoint platform, ideally with five or more years total software development experience, adherence to strict deadlines, excellent communication skills, strong analytical and problem solving and broad technical skills, demonstrable experience with WSS3.0, MOSS 2007, ASP.NET, SQL Server and Transact SQL, IIS, HTML, CSS, Java Script, and XML. Experience with VB. Net, Oracle and PL/SQL and familiarity with Classic ASP, VB6 and COM is highly desirable. Reports to the Manager, Business Systems Development, Light Sources Directorate. ERAP eligible: \$1,000. Apply to Job ID #15225.

CONTRACTS SPECIALIST (A-6, two-year term appointment) Requires a bachelor's degree in a business discipline, with a minimum of four years of experience in procurement. Must be knowledgeable of procurement information processing software data input (PeopleSoft a plus) and Microsoft software applications such as Word, Excel and Power Point. Requires familiarity with Small Business Plan requirements and reporting, cost accounting standard requirements, service contract act, debarment reviews, advance notifications and single/sole source concepts. Must be able to work within established procedures and guidelines, processing assigned work by priority. Knowledge of the Federal Acquisition Regulation (FAR) and/or Department of Energy Acquisition Regulation (DEAR) is preferred. Will be responsible for planning and coordinating procurements and/or subcontracts, for goods and services for a department, project or program. Assigned procurements will include, but are not limited to, medium to high risk factors and higher dollar values with a medium to high level of complexity. Shall determine and implement the appropriate procurement actions required, but not limited to, source selection methods, initiation of Requests for Quotation and/or Proposals, evaluation for award, price analysis, negotiations, preparation of contract files and contract administration including close out of procurement contracts and purchase orders. Procurement & Property Management. Apply to Job ID #15277.

MECHANICAL SR. TECHNICAL SPECIALIST (T-3) The NSLS - II Project seeks a well-qualified individual to provide support to the magnet-girder integration system. Will be responsible for the high-precision positioning of multiple magnets onto girders and a sequential build-up of these magnet-girder assemblies. Other responsibilities include performing incoming inspection of magnets, pressure and flow tests, electrical tests, and various mechanical assembly tasks. Requires an associate's degree in engineering or equivalent and six years of relevant experience. Demonstrated proficiency and safe use of hand tools, forklifts, pallet jacks, and machine shop equipment are required. Must have good communication skills and experience with basic PC software. Substantial experience with alignment lasers, inclinometers, precision levels and other sophisticated inspection equipment is preferred. Training in operating forklifts and overhead cranes, experience in a light source or high-energy accelerator facility is also preferred. National Synchrotron Light Source II. ERAP eligible: \$500. Apply to Job ID #15280.

Guitarist 'Spider' John Koerner, 4/16

Legendary folk musician "Spider" John Koerner will perform on Friday, April 16, at 8 p.m. at the Brookhaven Center. Sponsored by the BNL Music Club, the concert is open to the public. All visitors to the Lab 16 and older must bring a photo I.D.

Koerner began playing folk music in 1958 with a borrowed guitar and a Burl Ives songbook. Over the past 50 years, he has performed as a solo artist and with a variety of legendary partners, including Bob Dylan.

Guitar and Harmonica Workshop, Saturday, 4/17

In addition, on Saturday, April 17, at noon, at the Lab, Koerner will offer a 12-string guitar and harmonica workshop. The cost is \$35 person and is limited to ten participants. Tickets for the concert are \$15 in advance and \$20 the day of the show. Buy tickets at the BERA Store or at <http://www.ticketweb.com>.

MECHANICAL PRINCIPAL TECHNICIAN (TW-4, two-year term) - The NSLS - II Project is seeking a well-qualified individual to provide support to the magnet-girder integration system. Will be a member of a team responsible for the high-precision positioning of NSLS-II multiple magnets onto girders and the sequential build-up of these magnet-girder assemblies. Other responsibilities include performing incoming inspection of magnets, pressure and flow tests, electrical tests, and various mechanical assembly tasks. Requires an associate's degree in engineering or equivalent and two years of relevant experience. Demonstrated proficiency and safe use of hand tools, forklifts, pallet jacks, and machine shop equipment, good communication skills and experience with basic PC software are required. Basic knowledge of electrical testing techniques and material-handling equipment (overhead crane and forklifts) experience is preferred. National Synchrotron Light Source II. ERAP Eligible: \$500. Apply to Job ID #15279.

TOUR WORKERS (Temporary) - Requires excellent communication skills - and must be at least 18 years of age. Responsibilities include but are not limited to preparing for the activities on a Summer Sunday, greeting, assisting, escorting visitors with safety in mind and cleaning up at day's end. Will be trained to meet all Laboratory requirements. Employment will consist of two days of training on June 24 and 25 and five Sundays. Total of seven days. Community, Education, Government & Public Affairs Office. Apply to Job ID #15263.

Motor Vehicles & Supplies

08 SUZUKI GSRX 1000 - 5.5 mi. mint never dropped, blu/white, helmet/lther jacket incl. \$9,500 neg. 786-4195, bloxon@bnl.gov.
07 HONDA REBEL 250CC - 500 mi. orig owner, 500 mi, v/clean bike. \$3,000 neg. John, Ext. 7386 or halinski@bnl.gov.
05 HONDA SHADOW SPIRIT - 3.063K mi. 750 just serviced, incl windshd, saddle bags, chrn upgrdes, \$3,500 neg. Ext. 7132.
04 HARLEY DYNA WIDE GLIDE - 10K mi. 1450 cc's, fuel inj, cust paint, detchbl windshd, lther sddl bgs, ask/\$11,000. 236-3543.
02 TOYOTA COROLLA LE - 4 dr, v/gd cond, runs well. \$3,200 neg. 298-5625.
01 DODGE NEON - 104K mi. am/fm/cd/ a/t, 4 dr, p/w, s/roof, drk blue, gd cond. \$2,500 neg. Hua, Ext. 2560 or hli1@bnl.gov.
98 TOYOTA CAMRY CE - 103K mi. 4cyl, manul tran, 31mpg, gd cond, avail this wk only. \$2,500 neg. Ext. 3488, rdemaria@bnl.gov.
GRILLE - '05 & up Chrysler 300 mesh grille, ask/\$175, will install. Charles, 807-8224.

Boats & Marine Supplies

1974 PEARSON 26' - 5 stands, 1 mooring ball & chain, 1 mooring mushroom anchor...\$1,200. Contact: Mike at 476-5810.
CARBURATOR - Rochester 2gc carb, fits 1982-92 gmc 6cyl mercruiser, used one season, ask \$200. our best offer. 807-8224.

Furnishings & Appliances

24 INCH TV - 2 yr old, 24", no remote, works fine, \$50 w/sr tv stand. 205-239-6469.
BED STAND, MICROWAVE - wood b/stand w/2 oak chrs, 30"x30"x40", \$70, w/ metal table, GE m/wave/\$30. Huston, Ext. 7415.
CHILD/TEEN BUNK+DESK BED - all wood, desk pull out bed lists/\$1659, ask/\$500, 379-0742 or RRJE4019@MSN.COM.
CHILDREN'S - wood Bbnk bed frames/\$10; wd IKEA toybx/\$20; wd desk/\$20; 2 IKEA wood end table/cabinets/\$10/ea, 821-3320.
CUSTOM COUNTRY WOOD HUTCH - \$50, pic avail. Don, Ext. 2253.
DISHWASHER - Whirlpool Quiet Partner 2, white, runs like new, \$100. 220-8522.
ENTERTAINMENT CENTER - Broyhill Fontana Oak, 2 end units w/3 shelves, 1 drawer, 1 cabinet, holds 32" TV, 82½ X 41¼, 3 end tablesm \$750/neg. 220-8522.
KITCHEN ISLAND - w/hte w/blck granite counter, \$250/neg. 751-4539, rohatg@bnl.gov.
MATTRESS - Sleepy's 400 Series full size, 6 mos old, ask/\$700/obo, orig/ \$1,500. Linda, 974-3213 or niksa@bnl.gov.
MICROWAVE OVEN - 1200watt, works well, v. clean, white \$25. Bob, Ext. 3476 or kiss@bnl.gov.
Q/BEDROOM SET - maple, like new, bed w/ Beauturest mattress, 5-drawer chest, 3 drwr night table, pics avail, \$375. Ext. 4872.
REFRIGERATOR & STOVE - kit re-frig/\$100; nat. gas stove/\$75, both gd working cond, pics avail. 821-3320.

ROLLING KITCHEN CART - white tile top over white/natural wood cabinet, 24W x 18D x 33H, \$40. 878-9020 or sivertz@bnl.gov.
SPACE HEATER - Minitor, Holmes Comfort Temp Model HCH6150, Oscillates, rem contr. 1500W, \$5. Michael, Ext. 4872.

Audio, Video & Computers

BAND HERO FOR WII - new in opened box, comes w/drums/guitar/ microphone, 65 songs, \$120/neg. Charlie, Ext. 4736.

Sports, Hobbies & Pets

32' CAMPER - 32' Fifth Wheel '05 Sandpiper Bunkhouse, Hitch incl, ask/ \$22,500. pic avail. 518-306-5730.
RACQUETS - Prince tennis, Graphite comp ovrsl/\$20; Ektelon, orig/\$180, ask/\$30; Carlton Kevlar badminton/\$20. Rolf, Ext. 2305.
BOWFLEX MOTIVATOR - W/at pulldown & leg exten. Excel cond. \$450. 902-5453.
CYCL-OPS TRAINER - fluid resistance trainer new/\$300, ask/\$100. rolf@bnl.gov.
POOL TABLE - 8' w/ball return, excel cond, 8 & 9 ball racks, 4 cues & Bridge cue, Pine frame, \$500. Ext. 3476, kiss@bnl.gov.
WETSUIT SET - men's med, never used in salt water, 1/4" thick: 2-pc suit, mask, boots, fins, pic avail, \$125. moloughlin@bnl.gov.

Tools, House & Garden

AC UNIT - rudd 12 seer 5ton ac compressor, new never used, \$225. Charles, Ext. 2021.
J. DEERE TRACTOR, SCREENS - '55 mdl 40 w/3pnt, hitch; 8' blade; scrns 1x1 alum frm/3-5x7, 2-5x6; 1-5x4. 298-5625.
LAWN MOWER - elec, Black & Decker, 19" mulching mower, Lawn Hog, 3 yr old, perf cond, orig/\$250, ask/\$100. Eli, Ext. 7179.

Miscellaneous

14 KT GOLD BRACELET - excel, like new cond w/safety clasp, in orig box/\$200. Jane, Ext. 2198, 909-7080 or lysisik@bnl.gov.
EVERGREEN TREES - Blue Spruce, other Spruces, Firs, balled & burlapped for privacy plantings, Manoville. Tom, 878-1060.
GOWN - for mother of bridegroom, beaded lace, organza, Google/Montage, style #14925, cocoa, size 20, \$225. 871-3533.
LITTLE TYKES COZY COUPE - excel cond, \$30. Ann Marie, Ext. 7007.
MAPLE SYRUP - From my family's farm in Vermont. Peter, Ext. 7687, 744-1112.
SPRINKLER HEADS - poly pipe, sprinkler heads, repairs, new installations. 284-2277.
VACATION WEEK - New Bern, NC-time-share, on lake, 2 bdrms, sleeps 8, full kit, w/ d, 7/18-7/25/10, \$550/wk. Linda, Ext. 3750.

Car Pool

PLAINVIEW - Established 3-person car pool meeting in Plainview looking for 4th person, 8-4:30. Ron, Ext. 6068.

Happenings

CRAFT FAIR/CHINESE AUCTION - Sat, 4/17 9am-3pm @ Riverhead H.S. to support R/head NJROTC. 200+ gift certs, baskets, 50/50, noon drill demo. 700 Harrison Ave. peragine@bnl.gov.
DGB ROCK N ROLL PARTY BUS! - To Don Hill's NYC, Record Company Showcase, April 17 at 6pm, \$40 for Party on bus and admission. dgbdoung@gmail.com.
DINNER/SHOW OUTING - Sat, Oct 16, t "Joseph" at Sight & Sound Theatre, = PA. Dinner at Good n Plenty. \$115pp. Disc. rates for teen, child. \$60 deposit due by May 7th. Kim, Ext. 7465, 399-309.
GREASE WITH A TWIST! - Springs Community Theater presents GREASE with a twist, April 9,10,16,17 @8pm and 11,18 @ 2pm. John Drew Theater @ Guild Hall, EHampton, Info avail @ Theatermania.com. Glenn, 344-7477.
JANE SETLOW REMEMBRANCE - Sunday, April 25, Sea Basin Restaurant, Rocky Point. For details contact Biology Admin Office. Kathy, Ext. 3415, folkers@bnl.gov.

Free

2 ONE DAY LIFT TICKETS - STOWE - val-id thru 4/18/10, Richard, Ext. 7443.
PIANO - upright, needs some work. Russell, Ext. 7186 or russg1@optonline.net.

Wanted

NEW/GENTLYUSED - spring/summer clothes all sizes, children's books, toys, for families in local shelter. Laura, Ext. 4027 lbusecmi@bnl.gov and Kathleen, Ext. 3161 or kratto@bnl.gov.

(Ads continued on page 3)