

Managing BNL for DOE Brookhaven Science Associates' Activities, Contributions



Members and officers of the Brookhaven Science Associates Board are: (front, from left), Praveen Chaudhari, BSA Board President and BNL Director; Robert McGrath, Stony Brook University (SBU); Carl Kohrt, BSA Board Chair and President and CEO, Battelle; Marc Kastner, Massachusetts Institute of Technology; Evelyn Berezin, consultant; Venkatesh Narayanamurti, Harvard University; Robert Richardson, Cornell University; and Brian Sack, BSA Chief Financial Officer, and BNL; (back, from left) Dennis McGinn, Battelle; Paul Fleury, Yale University; Shirley Strum Kenny, SBU; Richard Gelford, IMAX Corporation; Michelle Christy, Princeton University; Raphael Kasper, Columbia University; Stephen Valentine, Battelle; and Gregory Fess, Secretary of the BSA Board and BNL. Not present are: William Madia, Battelle; Donald McConnell, Battelle; and James Simons, Renaissance Technologies.

Brookhaven Science Associates (BSA), which was selected by DOE as BNL's manager and operator in the fall of 1997, is formed by a 50-50 partnership between Battelle and The Research Foundation of State University of New York (SUNY) on behalf of Stony Brook University (SBU). BSA officers are: Praveen Chaudhari, President; Brian Sack, Chief Financial Officer; and Gregory Fess, General Counsel and Secretary.

Both SBU and Battelle have a particular interest in BNL. SBU is the Lab's closest university neighbor and the single largest user of BNL facilities. BNL facilities and scientific staff are valuable assets for the university's intellectual life and the impact on its research programs. For Battelle, to preserve a presence at BNL helps continue Battelle's founding purpose — making scientific discoveries and translating them into innovations of economic and social importance - and to enhance the work of Battelle in major programs for DOE ranging from global climate research to nanoscience to reactor safety.

BSA is governed by a 16-member Board of Directors: five appointed by SBU, five by Battelle, and one each from six of the nation's premier research universities: Columbia, Cornell, Harvard, Massachusetts Institute of Technology, Princeton, and Yale.

The Board is responsible for setting overall Lab policy and strategic direction; conducting an annual review of overall contract performance; conducting independent corporate self-assessments; and providing advice and assistance to the Laboratory Director on significant scientific, technical, or management issues.

The Chair and Vice Chair of the BSA Board

Kenny in 2004. BSA is committed to insuring the continued vitality and advancement of Brookhaven as a national laboratory and as a national and international center of excellence in science.

"We are focused on insuring that Brookhaven continues to serve DOE's missions through outstanding science and that it remain a vital force in the science community of the Northeast and the nation," says Kohrt. "This is at the heart of our efforts to build a foundation for expanding the scope of the programs and impact of Brookhaven's research and development.'

Kohrt adds, "We are committed to insuring the simultaneous excellence of Brookhaven in scientific and technological research, operational excellence and in contributing to the Long Island community. The signatures of Brookhaven are written in the success of RHIC in leading the international community in exploring the frontiers of physics, the dedication to the safety and health of all of the BSA staff and equally by the recognition of BNL as a good environmental neighbor by the Pine Barrens Association."

The BSA Board is supported by several committees, including a Scientific Steering Committee that commissions peer reviews of BNL's programs and scientific facilities, and advises the Board on scientific direction, user facility operation, and management and policy matters that directly affect the Lab's science mission.

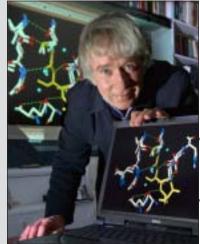
Says Lab Director Praveen Chaudhari, "The Science and Technology Committee of the Board has been invaluable to Brookhaven in many ways. For example: in evaluation of tenure, research problems, and both direct and indirect involveare provided in turn by Battelle and SBU: the ment in shaping the Laboratory's science vision. present Chair, Carl Kohrt, Battelle's President and They are a very pro-Laboratory committee." (continued on page 2)

First Glimpse: DNA Binds to Viral Enzyme

May serve as new target for antiviral drugs

Scientists at BNL and the Albert Einstein College of Medi-cine have produced the first molecular-scale images of DNA binding to an adenovirus enzyme - a step they believe is essential for the virus to cause infection.

The images, which appear on the cover of the October 2004 issue of Molecular and Cellular Proteomics, show how binding to DNA may stimulate the enzyme and are already being used to design new antiviral drugs to block this interaction. The work was funded by the Office of Biological & Environmental Research within DOE's Office of Science, the Biotechnology Resource Centers Program of the National Institute of Biomedical Imaging & Bioengineering of the National Institutes of Health (NIH), and by NIH's National



Institute of Allergy & Infectious Diseases.

We were quite surprised to see that DNA actually stimulated the activity of the enzyme," said Walter Mangel of BNL's Biology Department, a co-author on the paper. "If we can block this interaction, we should be able to prevent the virus from replicating, and thereby thwart infection."

Walter Mangel

Adenoviruses cause respiratory, gastrointestinal, and eye infections, including highly contagious viral pink eye. Some adenovirus eye infections lead to blindness. Respiratory epidemics of adenovirus are often prevalent on army bases. And in patients with compromised immune systems, such as those infected with human immunodeficiency virus (HIV), an opportunistic adenovirus infection can be deadly.

During infection, adenovirus makes an enzyme called a protease, which cleaves or degrades viral "scaffolding" proteins to complete the maturation of newly synthesized virus particles. Mangel, Bill McGrath, Vito Graziano, and Julie Stern, all of Biology, have been working to understand all the steps necessary for this enzyme's function, looking for new ways to stop its action and, therefore, block an adenovirus infection (see: www.bnl.gov/discover/Spring_04/ anti_viral_1.asp). Coauthors on the paper also include two undergraduate students, Jeni Perek and Donna Lee, who held Science Undergraduate Laboratory Internships, a program run by BNL's Office of Educational Programs.

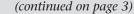
The scientists did not expect the viral DNA to bind to the protease, but they figured they should look just to rule out such an interaction. "It was something we had to do, to make sure they did not interact," Mangel said. The discovery that the viral DNA interacts with the protease was unprecedented and led them to characterize the interaction in detail. The scientists now believe that inside the virus particle the protease uses the DNA as a guide wire, sliding along the genetic material to remove the internal "scaffolding" proteins, all located near the DNA.

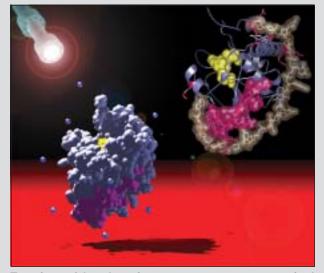
The team used a technique called synchrotron footprinting, which was pioneered by paper co-author Mark Chance and his colleagues at the Albert Einstein College of Medicine, to show where DNA binds on the adenovirus protease.

CEO, took over from SBU President Shirley Strum



Members of the BSA Science & Technology (S&T) Advisory Committee are: (back, from left) Alfred Mueller, Columbia University; Gerald Stokes, Joint Global Change Research Institute; David Litster, Massachusetts Institute of Technology (MIT); S&T Committee Chair Donald Engelman, Yale University; Robert Jaffe, MIT; Michael Hecht, Princeton University; and Charles Baltay, Yale; (front, from left) Paul Houston, Cornell University; Robert Liebermann, Stony Brook University (SBU); Stewart Smith, Princeton; Wayne Hendrickson, Columbia; and Frans Spaepen, Harvard University. Not present are: John Huth, Harvard; Bertha Madras, Harvard Medical School; Craig Malbon, SBU; and David Rubin, Cornell.





Two views of the adenovirus protease, an enzyme required for viral replication. In the right-hand image, a "strap" of DNA is shown wrapping around the right side of the image. Drugs that prevent the DNA from binding should prevent the virus from replicating and stop an infection.

The Bulletin

(cont'd)

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 Chris Carter, Ext. 2873.
- Additional information for Hospitality Committee events can be found at the Recreation Bldg. and at the laundry, both 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 Rulletin

— EACH WEEK —

Weekdays: Free English for Speakers of Other Languages Classes

Beginner, Intermediate, and Advanced classes. Various times. All are welcome. Learn English, make friends. See www.bnl.gov/esol/schedule. html for schedule. Jen Lynch, Ext. 4894.

Mondays: BNL Gospel Choir 5:15-7 p.m. Berkner Hall. All faiths are wel-come. www.bnl.gov/bera/activities/choir/

Mondays & Wednesdays: Pilates

Mon., Noon-1 p.m. in the gym; Wed., 5:30-6:30 p.m. in the Rec. Hall. Christine Carter, Ext. 5090.

Mondays & Wednesdays: Yoga Noon-1 p.m., Brookhaven Center. Free. Ila Campbell, Ext. 2206, ila@bnl.gov.

Mon., Wed., & Fri.: Tai Chi Noon-1 p.m., Brookhaven Center North Room. Adam Rusek, Ext. 5830 or rusek@bnl.gov.

Tuesdays: Welcome Coffee 10-11:30 a.m., Rec. Hall. First Tuesday of every month is special for Lab newcomers and leaving guests. Cindy Ottemann, 849-2646.

Tuesdays: BNL Music Club Noon, North Room, Brookhaven Center. Come hear live music. Joe Vignola, Ext. 3846.

Tuesdays: Jiu Jitsu Club 6:30-7:30 p.m. in the gym. All levels, ages 6 and above. \$10 per class. Tom, Ext. 4556.

Tuesdays: Toastmasters

1st and 3rd Tuesday of each month 5:30 p.m., Bldg. 463, room 160. Guests, visitors always welcome. www.bnl.gov/bera/activities/toastmstrs/default.htm.

Tuesdays & Thursdays: Aerobics 5:15-6:30 p.m., \$5 per class or \$40 for ten classes. Rec. Hall. Pat Flood, Ext 7886

Tuesdays & Thursdays: Aqua Aerobics 5:15-6:15 p.m. Eight-week session. \$20 to at-tend once a week; \$40 to attend twice a week. Ext. 2873 for more information.

Tuesdays & Thursdays: Jazzercise Noon-1 p.m., Rec. Hall. Preregistration is required. Christine Carter, Ext. 5090.

Tues., & Thurs.: Kickboxing

\$5 per class. Tues., 5:15-6:15 p.m. in the gym; Thurs., noon-1 p.m. in the gym; Thurs., 5:15-6:15 p.m. in Brookhaven Ctr. North Room. Registra-tion is required. Christine Carter, Ext. 5090.

Tues., Thurs., Fri.: Upton Nursery School 8:30-11:30 a.m. Amie Kennedy, 727-8082, abk22@care2.com, Christine Carter, Ext. 5090, for information.

Tues. & Thurs: Rec Hall Activities 5:30-9:30 p.m. General activities, largescreen TV, ping pong, chess, games, and so-cializing. Christine Carter, Ext. 5090.

Wednesdays: On-Site Play Group 10 a.m.-noon. Rec. Hall. An infant/toddler drop-in event. Parents meet while children play. Kati Petreczky, 821-4131.

Wednesdays: Farmer's Market 11:30 a.m.-1:30 p.m., Berkner Hall parking lot. Wednesdays: Weight Watchers Noon-1 p.m. Michael Thorn, Ext. 8612.

Wednesdays: Open Chess Night 5-8 p.m., Rec. Hall. Christine Carter, Ext. 5090.

Wednesdays: Dance Lessons 5:15-8 p.m. Brookhaven Cntr., North Room. BNL Ballroom Dance Club hosts lessons, be-ginner to adv. John Millener, Ext. 3853. Thursdays: Reiki Healing Class

Managing BNL for DOE **Brookhaven Science Associates' Activities, Contributions**



Take Our Daughters to Work



BSA Noon Recital performers



Schoolchildren visit BNL



High-school student winners of the 2003 Science Essay prize



Local elementary school children awarded for Earth Day art



The Board has also established an Economic Development and Commercialization Committee to advise on prospective commercialization opportunities for BNL technologies.

Through the Board, BSA also provides many benefits benefits that add up to 42 percent of the approximately \$6.7 million fee earned for running BNL. This funding supports a wide range of activities at BNL with key focus on fostering science education and improving the health, welfare, and morale of Lab employees and facility users.

To this end, BSA has estab-

lished the Goldhaber Distinguished Fellowships in which outstanding young scientists, not more than three years past their Ph.D., are selected to work with a BNL scientist for three years, starting at

\$70,000 a year, and may later qualify for the Lab scientific staff. In 2003, BSA also started Postdoctoral Research Awards of \$3,000 for three BNL postdoctoral researchers and two students writing doctoral theses advised by BNL scientists. Employees also know that their children are eligible to compete for 15 BSA Scholarships, worth \$2,500 a year for four years, offered annually for graduating high-schoolers. BSA also provides funding for celebrations of these and many other employee accomplishments valued by the Lab, ranging from winning a Nobel Prize to being recognized with the Lab Science & Technology, Engineering, Brookhaven, and Spotlight Awards, to volunteering as Lab mentors or tour guides, to completing a full year

> of work without a sick day. It is also BSA that supports many scientific workshops, seminars, and largescale international conferences, such as the National Synchrotron Light "NSLS Source's Phase II," that are expected to benefit the strategic

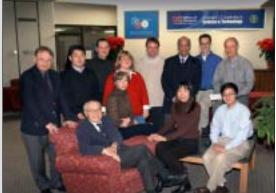
ven Center restaurant subsidized by BSA, enabling the Center Club to open at times when it would normally close. Another service BSA provides, especially helpful for on-site residents without transportation: the free

Wednesday and Saturday shuttle bus service to nearby shopping areas. While families of newly arrived visiting scientists are made welcome and introduced to life at the Lab by "old-timers," efforts to make new families feel more at ease are facilitated by the Hospitality Committee, which, supported by BSA, arranges coffee meetings, trips to the city, potluck parties, and other events.

In another particularly valued contribution, BSA funding opens the door to a strong cultural program on site, with BSA Distinguished Lectures and seminars, as well as concerts and art events - all free and open to the Lab community and the public. In addition, the general public benefits from BSA's help with funding the Lab Science Museum, visited annually by some 25,000

local elementary school chil-Sundays, " more than 5,000 members of the public visit the Lab each year on Sundays in

to understand more about scientific research. Among BSA-supported programs for high school students are an interactive computer program linked to data from the Relativistic Heavy Ion Collider, and annual competitions run by the Office of Educational Programs and the BNL Art Society awarding prizes for essays and art work on scientific topics.



Eight 2003 Goldhaber Fellows, with Maurice Goldhaber (front, left), Praveen Chaudhari, Peter Paul, and Leonard Newman



Another winner at the annual Elementary School Science Fair



BNL's United Way Fund Drive reaches goal



BERA Racquetball Champs



Humorist David **Bouchier** talked on "Ghosts of Christmas Past" at a **BSA Noon** Recital



dren to learn about magnetism, light, and sound; and the BNL "Summer through which

July and August

Noon-1 p.m., Bldg. 211 Conference Rm. Nicole Bernholc, Ext. 2027.

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Thursdays: FreshDirect Delivery 3:30-5:30 p.m., Berkner Hall parking lot.

Fridays: Family Swim Night 5-8 p.m. at the BNL Pool. \$5 per family.

Fridays: BNL Social & Cultural Club 6-9 p.m., North Ballroom, Brookhaven Ctr., dance lessons, 9-11:30 p.m. general dancing. Rudy Alforque, Ext. 4733, rudy@bnl.gov.

– NEXT WEEK —

Monday, 9/27

New Web Template, New Features, New BNL Intranet Homepage Unveiled



See the September 27th *Monday Memo* for details.

"Whiz-Bang Science Show" given on Summer Sunday tours





High-school winner of annual "Discovery" art prize

future of the Lab.

On the health and morale front, BSA provides for the Employee Wellness Program and supports popular employee/facility user events such as Healthfest (see page 4) and Earth Day. Another popular annual event, "Take Our Daughters and Sons to Work Day," is also funded by BSA. BSA also supports the 57 different BERA clubs. The renovated gym and refurbished weight room are two examples of BSA's provisions for BERA.

On-site residents and guests, who are all automatically members of BERA, and thus are welcome members of any of the clubs, also benefit particularly from the convenience of having the Brookha-

In yet another way BSA shares Lab benefits with the community. BSA has initiated the Volunteers in Partnership program to aid employees who volunteer in charities of their choice; donates directly to various local charities, such as

Brookhaven Town Interface; contributes to groups such as the Long Island Pine Barrens Society, Suffolk Community College Foundation. and the Thomas Hartman Foundation for Parkinson's Research, Inc.,

and strongly supports the annual BNL United Way drive. – Liz Seubert

Harvard's George Whitesides gave the 2003 Pegram Lectures on "Nanoscience: Status, Pros-



2003 BSA Colloquium, "Destiny in Space?" by Neil deGrass Tyson, Hayden Planetarium



2005 BSA Scholarship Alert

A pplications for 2005 BSA Scholarships may now be ob-tained from the Human Resources Division, Bldg. 185. The application deadline is November 15.

Applicants must be secondary school seniors who will be graduated during the current academic year and entering college by fall 2005. To qualify, applicants must be: children of BNL employees who began regular, full-time, or regular, eligible part-time employment no later than November 15 of this year, and who are employed by BNL at the time the award is announced; or children of retired employees or employees who died while in regular service at the Lab. Stepchildren are eligible if the employee regularly claims the child as a dependent for income-tax purposes, or if the stepchild has resided in the employee's household for the previous two years before making the application.

All scholarships are awarded competitively and are renewable for up to a total of four years of study toward an academic degree. Selection is made by an independent committee appointed by Scholarship and Recognition Programs in Princeton, NJ. Thirteen scholarships will be awarded without regard to ethnicity. Two additional scholarships will be awarded to under-represented minorities (Black, Hispanic, or Native American) achieving the requirements established for these scholarships.

For more information, call Bonnie Hulse, Ext. 2885.

DNA Binds to Viral Enzyme

"Synchrotron footprinting is a technique recently developed at Einstein that allows structural information on the contacting surfaces of biological molecules to be precisely mapped. These contact points are regions providing critical communication in the cell," Chance explained. "In this study, the footprinting approach provided information on the DNA binding region of the adenovirus protease that has not been solved by other techniques and can be used in drug design."

At BNL's National Synchrotron Light Source — a facility that produces extremely bright beams of x-ray, infrared, and ultraviolet light — Einstein's Sayan Gupta, the study's lead author, bombarded different solutions of the adenovirus protease and DNA with x-rays and characterized the changes that occurred on the surface of the protein. With this technique,



(cont'd.)

the team was able to deduce the location of the DNA binding site based upon the changes in accessible surface area.

"There is extensive contact between the enzyme and the DNA," Gupta said. "The DNA wraps around more than half the enzyme molecule. It appears like a strap, holding two parts of the protease together."

Since the DNA binding site is quite long, there are numerous locations along it that could be used as targets for drugs to block the interaction and act as antiviral agents, Mangel said. The scientists have already begun looking for such drugs and hope to have the NIH test some of them for antiviral activity within a year. — Karen McNulty Walsh

Bike Tour of NYC For MS Society, 10/17

Volunteers are invited to join a team from BNL planning to participate in a bike tour for the Multiple Sclerosis Society of New York, with rides of 30, 60, and 100 miles in and around Manhattan and New Jersey. The Asymptotic Freedom Riders of BNL have been participating in this event for several years and are welcoming more people. Team T-shirts and support will be provided by the BNL Volunteers In Partnership (VIP) program. Other contributions for the event are also wel-



BSA Noon Recital Daedalus String Quartet, 9/29

On Wednesday, September 29, all are invited to the BSA Noon Recital in Berkner Hall, where the award-winning Daedalus Quartet will play music by Bach and Sibelius.

The Quartet, whose members hold degrees from Juilliard, Curtis, the Cleveland Institute, and Harvard University, are: brother and sister violinists Kyu-Young and Min-Young Kim, and cellist Raman Ramakrishnan, who all three grew up in East Patchogue; and violist Jessica Thompson from Minneapolis. Noon recitals are free and open to the public. Photo ID is required for BNL entry by visitors of age 16 and over.



Pine Barrens Research Forum, 10/8

The Annual Pine Barrens Research Forum will be held October 8, in Berkner Hall, 8:30 a.m. - 4:30 p.m. This year's event will feature signing of "Twinning" documents between the Central Pine Barrens and the Migliarino-San Rossore-Massaciuccoli (MSRM) Regional Park in Tuscany, Italy. Talks will focus on various issues of monitoring within the Pine Barrens. The forum is open to the public at no charge. See http://pb.state.ny.us/research/2004 agenda.pdf for an agenda of the conference.

Long-Term Care Planning Seminar, 9/30

Join representatives from American Express Financial Advisors, Inc. on Thursday, September 30, at 5:30 p.m. in Berkner Hall, Room B, where they will present the "Money Talks" financial and retirement planning seminar "What You Need to Know About Long Term Care Planning." Topics include: Different types of nursing home care, alternative options to a nursing home, Medicaid income limits, gifting and look-back periods, spouse's financial responsibility, options to protect your estate, gift assets to individuals/trusts, and life estate planning.

Lectures on 'Vedanta' Indian Philosophy, 10/11

On Monday, October 11, all are welcome to attend two free lectures on Vedanta, the ancient philosophy of India. Sponsored by BERA's Indian American Association (IAA) and Asian Pacific American Association (APAA), the lectures will be given by Swami Parthasarthy, acclaimed as the world's foremost exponent of Vedanta. At Berkner Hall, 4-5:15 p.m., Parthasarthy will discuss "Science of Life: Life and its constituents, subjective and objective science, structure of the human personality, intelligence vs. intellect, the power of the mind. The Self within: The Supreme Enlivening Principle." Then, on the same day, at the Wang Center, Stony Brook University, 6:30-7:45 p.m., he will talk on "Life in Focus." To join a group who will have dinner at the Curry Club at 8 p.m., call Ila Campbell, Ext. 2206, by October 7.

TIAA-CREF Retirement Counseling, 9/29, 30

A TIAA-CREF representative will visit BNL on Wednesday, September 29; and Thursday, September 30; to answer employees' questions regarding the TIAA-CREF retirement plan. Questions might be: TIAA and CREF differences; allocating funds between TIAA and CREF; options, flexibilities with TIAA-CREF; and retirement options. For a 45-minute appointment, call Duane Walden, (800) 842-2733, Ext. 7289.

Calendar

Monday, 9/27 (cont'd)

IBEW Meeting

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

Tuesday, 9/28

Verizon Demo

11 a.m.-2 p.m., Berkner Hall. Represen-BALLER SPICE FOR VERIZON WILL PRESENT BNLers with special discounted rates on their products and services.

*Retirement Planning Seminar

Noon-1 p.m., Berkner Hall. Join representatives from TIAA-CREF as they present the Money Talks Seminar "Retirement Distribution Flexibilities." Includes: how to evaluate retirement income needs, opportunities to save more, asset allocation strategies, TIAA-CREF income options, and helpful web tools and individual counseling options. Joyce Wund, Ext. 7516.

Wednesday, 9/29

One-Day Change in Cashier Hours The Cashier's Office will be open from 11 a.m. to 1 p.m. today.

Costco Wholesale Club Demo

11 a.m.-3 p.m., Berkner Hall. Costco Wholesale Club (Price Club) will present BNLers with special offers, including a \$45 annual membership that includes two membership cards and an extra \$10 cash card. Kendra, 366-1506. *BSA Noon Recital - String Quartet

Noon. Berkner Hall. Daedalus String Quartet plays Bach, Sibelius. All are welcome to this free recital. See at left.

Thursday, 9/30

*Long-Term Care Planning Seminar

5:30 p.m., Berkner Hall, Room B. Join representatives from American Express Financial Advisors, Inc. as they present the 'Money Talks" financial and retirement planning seminar "What You Need to Know About Long Term Care Planning." Joyce Wund, Ext. 7516.

Saturday, 10/2

BERA's Long Island Wine Tour

10 a.m.-3 p.m. Ride the vintage Trol-ley on Long Island North Fork to taste wine at three wineries, and have lunch and in-depth winery tour. Farm-stand stop included also. \$45/person. BERA Sales Office, 9 a.m.-3 p.m. Ext. 3347.

WEEK OF 10/4 —

Tuesday 10/5

Caring Friends Meet

Noon, Berkner Hall, Room D. All are welcome to join an informal support group serving as a resource for indi-viduals experiencing grief following the loss of a loved one. Pat Hein, Ext. 3962, and Gerry Van DerLaske, Ext. 3476.

Thursday, 10/7

BNL Career Network Group Meeting Noon, Berkner Hall, Room A. All are welcome. Cathy Wehrmann, Ext. 7823.

Friday, 10/8

*Pine Barrens Research Forum 8:30 a.m.-4:30 p.m. Berkner Hall. All are welcome to attend this free public event. Talks will focus on various issues of monitoring within the Pine Barrens. See no-tice above left and http://pb.state.ny.us/ research/2004_agenda.pdf for agenda. *BERA Softball League Party

come. Contact: Ofer Rind, rind@bnl.gov or Ext. 6299.

Join the BNL Walk for Diabetes Research, 10/17

Last year, 187,000 people died from diabetes, the sixth-leading cause of death by disease in the United States. According to the Center for Disease Control, more than 18 million Americans now have diabetes.

But all over America, people are joining together to collect funds to be used to combat the disease. Supported by the BNL Volunteers in Partnership program, Ruth Comas of Staff Services Division is forming a BNL team to join the October 17 Suffolk County Walk to "Blow Away Diabetes" with forefront research.

The 5-kilometer (3.1-mile) walk winds through the beautiful suburban campus of the New York Institute of Technology in Central Islip, ending at the Student Activity Center where a Fitness Festival, Youth Zone and refreshments will be located.

Registration begins at 9 a.m., and the walk starts at 10 a.m. There is no registration fee. Each team member is required to have a sponsor form filled, the average sponsorship being \$150 per member. If you are interested in joining the walk, or wish to become a sponsor, contact Comas at comas@bnl.gov.

Note: For information on the BNL Volunteers in Partnership program and its support of BNL employees' volunteer efforts, contact Elaine Lowenstein, Ext. 2400 or elowenst@bnl.gov.

Cashier Hours, 9/29

On Wednesday, September 29, the Cashier's Office will be open 11 a.m.-1 p.m. instead of the usual hours of 1-3 p.m.

Arrivals & Departures Arrivals Grace Shea-McCarthy Biology **Departures**

Shannon Burke Mat. Sci.

Retirement Planning Seminar, 9/28

All are welcome to join representatives from TIAA-CREF on Tuesday, September 28, from noon to 1 p.m. in Berkner Hall, where they will present "Retirement Distribution Flexibilities," a Money Talks seminar. Check your mailbox for registration forms. For more information, contact Joyce Wund, Ext. 7516.

75 Needed for BERA Softball League Party, 10/8

The BERA Softball League end of season party has been scheduled to take place at Rock Hill Country Club in Manorville on Friday, October 8, 7-11p.m. The cost is \$30 per person and includes a buffet dinner and DJ by "Gemini II." There will be a cash bar. Send your checks, payable to BERA Softball, to Rich Scheidet, Bldg. 134C, no later than September 24. The organizers need to guarantee 75 people, so get those checks in early!

11 p.m., Rock Hill Country Club in Manorville. \$30 per person includes a buffet dinner and DJ by "Gemini II." There will be a cash bar. Send your checks, payable to BERA Softball, to Rich Scheidet, Bldg. 134C, no later than September 24.

— WEEK OF 11/15 —

Thursday, 11/18

*Family Planning Talk

Noon-1 p.m., Berkner Hall, Room B. Join Katherine Burnett, Vice President of Medical Services at Planned Parenthood Hudson Peconic, Inc., presents the Health Promotion Program talk "Family Planning: Today & Tomorrow." Michael Thorn, Ext. 8612, or mthorn@bnl.gov.

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. Enter 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.

October Is Healthfest BNL's Month-Long Celebration Of Health, Fitness, Safety

This year, BNL's annual health, fitness and safety celebration has been expanded from one week to the entire month of October. Therefore, BNLers are invited to participate in an expanded range of events and activities, all of which are described below.

During this year's Healthfest, BNLers are encouraged to take responsibility for personal health, fitness, and safety. To do so, BNLers are welcome to take part in Healthfest raffles, health screenings, safety demonstrations, fitness events, and the "Health, Safety & Fitness Fair." For more information, contact HealthFest 2004 Co-chairs Michael Thorn, Ext. 8612, and Denise DiMeglio, Ext. 2881.

Schedule of Events

Friday, October 1

11 a.m. – 2 p.m. Safety First on the 1st - at the BNL Firehouse, Bldg. 599. See safety demonstrations, including the proper use of fire extinguishers, how to deal with a stove fire, and a mock smoke situation, ergonomics for the home and office, home security, bicycle safety, and more. Get your "This is Why I Work Safely" badge by bringing a photo that can be cropped to 1.5" by 1.5" of someone or something that serves as a reminder of why you work safely. Sponsored by the Emergency Services Division, Safeguards & Security Division, and Environment, Safety, Health & Quality Directorate.

11 a.m. – 2 p.m. Monday, October 4 Laugh at Lunchtime – in the Berkner Hall auditorium, Bldg. 488. Relax, bring your lunch, and enjoy some funny videos!

Wednesday, October 6 11:45 a.m. - noon Aerobic Stretch – at the Science Education Center, Bldg. 438. For information, call Pat Flood, Ext. 7886.

Wednesday, October 6 noon – 1 p.m. Fitness Walk - 2-mile walk with your co-workers at your own pace, starting at the Science Education Center, Bldg. 438, and going to the National Weather Service and back. Participants will receive a 2004 Healthfest t-shirt (supplies are limited). To register, complete the form below.

Thursday, October 7 11 a.m. – 2 p.m. Massage Day - at Berkner Hall, Bldg. 488. Enjoy a 10-minute massage by a licensed massage therapist, by appointment only. To schedule a massage, complete the registration form below.

Tuesday, October 12	11 a.m. – 2 p.m.
Cooking Demonstration by FLIK International - at Berkner Hall,	Bldg. 488.
Wednesday, October 13	11 a.m. – 2 p.m.

Health Screening Day - at OMC lobby, Bldg. 490. Blood pressure, cholesterol, body composition, and diabetes screenings are available on a first-come, first-serve basis. Cholesterol screening is limited to approximately 50 people.

Thursday, October 14

11 a.m. – 2 p.m. Health, Fitness & Safety Fair - at Berkner Hall, Bldg. 488. Displays, information, drinking-water taste-testing, home-water sample-testing, free raffles, and much more.

Friday, October 15

12:05 – 1 p.m. Fitness Run – 5-kilometer (3.1 mile) run around the site, starting at Biology, Bldg. 463. Participants will receive a 2004 Healthfest t-shirt (supplies are limited). To register, complete the form below.

Tuesday, October 19

Fitness Day - All of the activities below are free. Just bring a towel. 11 a.m. – 2 p.m. 12 noon – 1 p.m. Gym and Pool Open House – at the gym and pool, Bldg. 478. Jazzercise Class – at the Rec. Hall, Bldg. 317. Bring your own mat. 5:15 – 6:30 p.m. Aerobic Exercise Class - at the Recreation Hall, Bldg. 317. Kick-Boxing Class – at the gym, Bldg. 478. Aqua Aerobics Class – at the pool, Bldg. 478. 5:15 – 6:15 p.m.

- 5:15 6:15 p.m.
- 6:30 7:30 p.m. Jui-Jitsu Demonstration at the gym, Bldg. 478.

Wednesday, October 20

Fitness Day – All of the activities below are free. Just bring a towel. 11 a.m. – 2 p.m. Gym and Pool Open House – at the gym and pool, Bldg. 478 11:30 a.m. – 1:30 p.m. 400-Yard Swim – at the pool, Bldg. 478. You must be 18 or older to participate. Participants will receive a 2004 Healthfest t-shirt (supplies are limited). Reiki Healing – at the Rec. Hall, Bldg. 317. 12 noon – 1 p.m. 12 noon - 1 p.m. Yoga Class - at the Brookhaven Center, Bldg. 30. Bring your own mat.

5:30 - 6:30 p.m. Pilates Class - at the Rec. Hall, Bldg. 317. Bring your own mat. Friday, October 22 noon – 1 p.m.

Mountain Bike Ride – 8-mile ride, with a 5-mile alternate route, along BNL's fire-breaks. Starting point is at the gazebo next to the ball field. Bring your own bike; bike helmet required. Participants will receive a 2004 Healthfest t-shirt (supplies are limited). To register, complete the form on the other side of this flyer.

Thursday, October 28

noon – 1 p.m. Stress Management for Busy People – in the Hamilton Seminar Room, Bldg. 555. A seminar by BNL's EAP Manager Linda Daniels, Psy.D., of CIGNA Behavioral Health.



Classified Advertisements

OPEN RECRUITMENT – Opportunities for Laboratory employees and outside candidates.

NS2503, ASSOCIATE STAFF ENGI-NEER (P-3, term appointment, reposting) - Requires a bachelor's degree in engineering and a sound knowl-edge of the safety systems in both PWR and BWR type plants. A working knowledge of piping drawings and P&IDs, the materials used in fabricating both piping and equipment, and the fabrication process is desirable, as are computer skills in Visual Basic, Excel and Access for tabulating collected information. Will provide mechanical en-gineering/nuclear engineering support to US NRC and DOE Programs within the Nuclear Energy & Infrastructure Systems Division and the Systems Engineering and Safety Analysis Group. Work will be primarily related to the NRC Proactive Materials Degradation Assessment program. Work will involve the collection and evalua-tion of plant-specific information on piping and equipment used in safety-related systems in commercial nuclear power plants. Energy Sciences & Technology Department.

TB3543. MEDICALASSOCIATE II (P-5, term appointment) - Requires a BS in biology with a minimum of 5 years' related experience in tissue culture of eukary-otic cells, biochemistry, cell biology and molecular biology. Must have good communication skills, the ability to work in a group setting, experience working with multiple mammalian cell culture systems, knowledge of various tissue culture applications, such as fixation and transfection. Must also have experience with molecular biology techniques routinely performed on cell samples, such as cloning, PCR, RNA isolation/analysis, Western blotting, and immunofluorescent detection of nucleic acids and proteins. Under general supervision will support experimental studies on radiation biology and heavy ion radiobiology experiments using NASA Space Radiation Laboratory (NSRL) beam lines. Responsibilities include the maintenance and operation of tissue culture facilities, set-up laboratories as well as perform routine computer operations. Knowledge of flow cytometry operations, including acquisition and cell cycle analysis, is desirable. Employment is contingent upon the successful completion of a DEA background check. Medical Department

Motor Vehicle & Supplies

02 FORD ESCORT - a/t, a/c, 4dr., 46K mi. \$4,999. Jeff, 678-7719.

02 HONDA ACCORD LX COUPE - a/t, a/c, p/s, p/b, p/w, anti theft, keyless ent., 1-yr. warr., 18K mi., \$13,900. Yongbin,

01 FORD EXPEDITION - a/t, a/c, p/s, p/b, p/w, 5.4L V8, 4x4, trans cooler, 60K mi., \$23,000. Norman, Ext. 4666 or 399-1125.

01 HONDA ODYSSEY LX - a/t, a/c, p/s, p/b, p/w, cd, roof rack, excl. cond., 37K mi., \$17,900. Andy, Ext. 5538. 97 VW JETTA - 5spd., a/c, p/s, p/b, c/

c, moonroof, daytime running lights, 122K mi., \$3,500. Larry, 506-0265. 96 HONDAACCORD EX - 5spd., a/c, p/b,

p/w, 116K mi., \$4,500. Patrick, Ext. 6195. 95 SUBARU IMPREZA - a/t, a/c, p/s, 120K mi., \$1,690. Brant, Ext. 4552 or 929-3310.

95 TOYOTA CAMRY - a/t, a/c, p/s, p/w. 105K mi., \$3,500, Christoph, Ext. 4820, 93 FORD BRONCO - a/t, a/c, p/s, p/b, p/w, gd. cond., runs well, 134K mi., \$2,500. Jim, Ext. 4696.

93 NISSAN SENTRA - 5spd, a/c, p/s, p/b, gd. cond., very reliable, 143K mi., \$1,100. Rich, Ext. 5684 or 929-0953. 93 PONTIAC BONNEVILLE - a/t, a/c, p/s, p/b, p/w, all pwr., very reliable, 128K mi., \$2,200/neg. Rama, Ext. 8215.

90 CHEVY CAVALIER - a/t, a/c, p/s, p/

COFFEE TABLE - brass/glass, \$35; end tables, \$30; 2 wall mirrors, \$15/ea. Tom, Ext. 3085 or 744-4535

COUCH - Ethan Allen, \$190; 2 arm chairs, \$70/ea.; 2 end tables, \$70/ea. 473-5092. COUCH - 80" queen sleeper, 58" loveseat, beige accent pillows, v. gd. cond., \$250/ all. Judi, 928-5714.

DINING ROOM SET - Colonial, solid pine, 8' hutch table w/2 leaves, custom table pads, 8 chairs, ask \$350. John, 539-2006. DINING ROOM SET - table w/pads, 60x42 + 3 extra leaves, 12"/ea., 6 chairs, china closet, more, \$350. Edward, 727-1410.

LIFT CHAIR - elec., like new, brown velour, \$500; Craftmatic adjustable bed w/full size mattress, \$400. Rosemary, 929-1395. LIVING ROOM - Thomasville, sofa/ loveseat chair, coffee table, 2 end tables,

2 lamps, \$1,500. Joe, 758-2938. RANGE - Thermador, stainless prof., 30" gas, 4 burners, 2 w/extra-lo features, 6 yrs. old, \$1,500/neg. Richard, 732-9118.

REFRIGERATOR - 25 cu. in., side by side, Kit. Aid, almond, dr. water & icemaker, like new \$200. Roy, Ext. 6392.

TABLES - Seaman, 2-end, bevel glass top, stone base, excel. cond., \$150. Cynthia, 924-6475.

TV STANDER - blk., gd. cond., \$10; pullout couch, \$10. Guangming, Ext. 3378. WALL OVEN - 24" Frigidaire, gas, new

cond., rarely used, incl. manuals, \$250. Lloyd, 516-322-6445. WALL OVEN - GE TrueTemp digital, white,

\$175. Barbara, Ext. 2585 or 929-1981.

Tools, House & Garden

CEILING TILES - Armstrong, contractor grade, 2'x4', \$2/ea., 184 SF avail.; DeWalt miter saw w/ brakes, \$325. Carl, 874-4845. POOL EQUIPMENT - 1.5hp pump, 16" sand filter w/valve, chemicals, vacuum tools more, \$150. Dorothy, 225-0642.

LAWN TRACTOR - Craftsman 11hp, 38" cut, rear bag, \$275; Homelite hand held leaf blower, \$60. Chris, Ext. 2094 or 929-5008. TABLE SAW - 10" Craftsman, cast iron. \$100; Delta flr. model heavy duty drill press,

\$125. Richard, 589-9103. WELDING MACHINE - elec., \$200; mid-

size pick-up tool box, \$125; vinyl 8' truck cover, \$125. Joe, 924-7476.

Sports, Hobbies & Pets

BICYCLE HELMET - brand new, Rudy Project cycling, red/white & blue, sm./med., \$20. Lisa Ext. 7389.

SADDLE - English, silver cup w/stirrups, saddle pad & girth, \$300. Susan Ext. 5979 or 821-5836.

SWING SET - Wood Kingdom, 3 swings, fort w/slide, climbing tower, gd. cond., \$400. Lloyd, 422-6252

Audio, Video & Computers

INK TANKS - Canon compatible, BCI-3e, 5/blk., 1 cyan, 1 magenta, 1 yellow, ask \$25. Christopher, Ext. 2040 or 395-6112. COMPUTER ACCESSORIES - gd. cond.,

Compaq 17" mon. \$50; HP printer, \$50. Mustek scanner, more, \$40. 924-4147. PEN PLOTTER - Houston model DPM 60,

on rolling stand w/ass't pens, \$50. Ken, Ext. 7578 or 331-9056.

RECORDER - 4 track, Tasscam model 133B, prof. quality, new in box w/manual & extras, \$175. Peter, Ext. 2913.

SPEAKERS - Advent Legacy in walnut cabinets, 28"h x 16"w x 10"d, 10" bass, excel. cond., ask \$150/pr. Jack, 929-8287. TV - 25" RCA color w/remote, timer & alarm

options, timer & alarm options, gd. cond., \$50. Steve. Ext. 4627 or 928-6469.

VIDEO CARD - Mad Dog Champion GeForce2 MX400, AGP 4x, 64mb SDRAM, \$30. Mike, Ext. 2550 or 744-7360.

Free

JUNK CARS - and trucks removed. 589-9103. REFRIGERATOR/FREEZER - 17 cu. ft.. works well, u-pick up, Bob, Ext, 3782

MICROWAVE - u-pick up. Nancy, Ex. 1040.

Lost & Found

Yard & Garage Sales

CENTER MORICHES - Sat. & Sun., 9/25-26, 9 a.m. - noon, Carl, 874-4845.

SOUND BEACH - Sat. & Sun., 9/25-26, 10 a.m. - 4 p.m., household items, 62 Babylon Drive. Susan, 821-5836.

Wanted

LOTUS NOTES 4 - instruction booklet needed. MaryLynn, Ext. 7796.

PICCOLO - Haynes, Powell, or other highend model. Bourguin, Ext. 5409.

SAM - I can send you 2 cute photos of your daughter taken outside Berkner on 7/11. What is your Bldg.? My Ext. is 3372. Beth. SHOTGUN - model 870 in 410Ga,. Joe, Ext. 3783 or 929-8321.

TRUMPET - for 9 yr. old son to play in school band. Dan, Ext. 3837 or 821-2416. WEIGHT BENCH - for a 14 yr. old son. Pam, Ext. 3097.

For Rent

BELLPORT - bdrm, avail, in Colonial, full furn. house, walking dist. to shops, restaurants & public transportation, avail. 10/1-6/30/05. Giuseppe, Ext. 2008 or 806-4935.

BROOKHAVEN HAMLET - 4-bdrm., 2-bath house, avail. 12/04-4/05/neg, wood stove, f/ p, lg. heated porch, no smkg., pets okay, \$1900/mo. 286-3072, mike64440@mac.com. BROOKHAVEN HAMLET - 7-rm. Cape Cod, 4 bdrm., 2 bath, fully furn. bsmt. house on $^{3}\!/_{4}$ acre wooded property, tool shed,

\$2,100. Jim, 289-0876. EAST MORICHES - 1-bdrm, apt, in historic home, park-like prpty., nr. town & bay, 10 min. to BNL, prkg., \$900/mo. + sec., non smkr., avail., 11/1, Nick, Ext. 4979, Anna, 513-6688. MANORVILLE - furn. 2-bdrm., 2-bath town house, avail. Oct.-April, patio, clubhouse, cable, w/d, \$1,600/mo. incl. garbage, maint. fees, 12 min. to BNL, no pets. 878-8442.

MASTIC - charming cottage, f/p, deck, 1.5 bath, near water, no smkg/pets, \$1,050/mo. + sec. 281-3322.

MEDFORD - 1-bdrm. basement apt., \$950/ all. Tony, 736-8841.

NORTH SHIRLEY - 1-bdrm. apt. in priv. house, l/r, d/r, eik., full bath, hdwd. flrs., deck, yard, 10 min. to BNL, close to all, \$1850 incl. all + sec./ref. Helen, Ext. 5675 or 642-7435. PORT JEFFERSON - rm. in historic home in village, bus/train close by. Share bath, kit., dining, parlor, w/d, \$725 incl. util., cable & Internet cnctn., avail. 10/1. Anne, 331-4339. ROCKY POINT - 1-bdrm. apt., fully furn.,

eik, l/r, c/a/c, 2-w/c, 2-tv, priv. ent., patio, no smkg/pets, \$975/mo., incl. elec., 1 mo. sec. Bob, 835-3544.

SAYVILLE - 1 rm. w/bath., w/d access, sep. ent., \$320/mo. all incl. Ed, Ext. 4450 or 750-3385.

SOUND BEACH - cottage on dead end rd., Ig. I/r w/walk out deck & closed-in porch, Ig. bdrm., full kit. & bath, no smkg/pets, avail. 10/5, \$975. Lou, 833-6484.

SOUND BEACH - MPSD, 3-bdrm., new eik, 1 rm., 1 bath, partial bsmt. w/o-s ent., w/d, \$1,575/mo. + util./sec. Brian, Ext. 3370 or 929-0383.

WADING RIVER - 1-bdrm apt., eik, Ig. I/r, full bath, priv. ent., 10 min. to BNL, \$900/ mo./util. incl. +1 mo. sec., single, non smkr. only. Richard, 929-3419 eves.

YAPHANK - 1-bdrm. Colonial House, Ig. yd., wooded area, 5 mi. to BNL., avail. 11/ 1, \$1,600/mo. Jerry, 924-5219.

For Sale

MEDFORD/GORDON HEIGHTS - land, 100x173, \$115k/neg. Cornell, 698-9016. WADING RIVER - Lewin Hills Beach Assoc., deeded bch. rights, 1-bdrm. ranch, deck, priv. 1/2 acre, 2 new baths, mstr. bdrm. suite w/f/p, cedar clst., 1-car gar., \$409,900. 219-4405. ARUBA - Marriott, on the water, fantastic place, \$17,500/neg. Bob, 467-5853. BREVARD, NC - condo in the land of water-

falls! 2 bdrm., 2 bath, screen porch, covered deck, fully furn., on golf course, stream, 30 mi to Ashville, \$139,900. Brant, Ext. 4552.

COROLLA, NC - Outer Banks, 5 bdrm., 3 bath, billiard rm., pool, hot tub, view home, @ www.family-vacation-homes.com., \$695-\$2,695/wk. Carrie, 889-5303.

Ext. 2835.

Registration Form

Bldg		E-mail	
Life #		Phone Ext	
	Fitness Walk	Wednesday, October 6	12 noon – 1 p.m
		Thursday, October 7 I to schedule an appointm	
	Home-Water Testing Thursday, October 14 11 a.m. – 2 p.m. (bring a water sample from home in a quart-sized glass jar)		
	Fitness Run	Friday, October 15	12:05 – 1 p.m.
		Friday, October 22 ntain bike and wear a heln	

Healthfest is sponsored by Brookhaven Science Associates, a company that was founded by Stony Brook University and Battelle to manage BNL for the U.S. Department of Energy. b, 4dr. red, 140K mi., gd. cond., \$800. John, 924-6809.

87 CHEVY CAVALIER CONVERTIBLE excel., new batt., tires & paint, passed inspec., \$800/obo. Joe, 451-0714.

SNOW TIRES - Bridgestone Blizzak WS15; 2 new on Honda Civic, steel rims, \$45, Carl, 874-4845,

Boats & Marine Supplies

32' BRISTOL - '77 Sloop, sleeps 5, draft 3' -6. diesel, 3 jibs, dodger, vhf. \$35,000. Thomas, Ext. 5275.

21' PROI INF - '97 walk-around, cuddy cabin, Merc. i/o, low hrs., new Bimini top, \$16,500. Carrie, 889-5302.

10' SEADOO - '97 GTX Waverunner w/trailer, 110hp, 800cc, 150 hrs., 1 hr. on rebuilt eng., extras, \$3,000. Rich, 745-0647.

Furnishing & Appliances

BEDROOM SET - full size, headboard, dresser, bureau, nightstand, old, gd. cond., \$150. Heather, 929-4886.

LOST - keys on black rubber gasket w/about 7 keys lost along Brookhaven Ave. Richard, Ext. 7129.

Miscellaneous

AIR COMPRESSOR - Sears 30 gal. 3hp, 220 volt, ask \$150; Bdrm. Set, \$500; Fisher Stereo System, \$150. Rex, 872-4804.

PICNIC TABLE - kiddie, Playschool, \$10. John, Ext. 4028.

SMOKER COLEMAN DELUXE - used once, \$50, Maurice, 928-6930,

TICKETS - (2) La Bohème opera, 11/11, 8 p.m., Dress Circle Box, \$63/ea. Hiroshi, 689-9214.

TICKETS - (2) David Sanborn Renaissance Jazz concert, 10/16, 8 p.m., Staller Center, SBU, \$30/ea. Yako, 474-1243.

WEDDING DRESS - never worn, size 8/10, \$200; used cradle/changing table set, \$150/neg., more, Holli, 949-1132.

UNIQUE PIÑATAS - all occasions & characters, cartoon, Disney, Sesame Street. Donna, 821-0359.

On-Site Service Station

TIP OF THE MONTH - As cold weather approaches, batteries are subject to failure. 1999 vehicles with the original battery, should likely be changed. The on-site station, Upton Industries, Inc., will be glad to test it. The station carries a complete line of Delco professional series batteries. For more information, call Ext. 4034.

Happenings

AUTHOR TALK - Fri., Oct. 8, 7 p.m., David Cassidy talks on his book on J. Robert Oppenheimer, who led the Manhattan Project that built the atomic bomb. Floyd Memorial Library, Greenport. Contact Poppy Johnson, 477-0660.

In Appreciation

We'd like to thank everyone for making a difficult situation better with their kind and generous spirit. It is truly appreciated. Thank you. Pat Channing & Family

Bulletin

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