

Coming Up

The annual meeting of the Users Group for the Alternating Gradient Synchrotron (AGS) will be held March 22-23, in the large seminar room of the Physics Department, Bldg. 510.

Of interest to both AGS users and others is the talk on "The History of the Weak Interaction," to be given by T.D. Lee, Columbia University. As summer visitors at BNL in 1956, Lee and C.N. Yang worked on the theory of parity nonconservation, for which they shared the Nobel Prize in 1957. Lee's lecture is scheduled for approximately 11:15 a.m. on Friday, March 22.

Morrel Cohen, a scientific advisor at Exxon's Corporate Research Laboratories, will present an AUI Distinguished Lecture on Wednesday, March 27. His topic will be "Growth and Change in Human Society: The World Energy Industry 2050; Europe 7000 B.C." The lecture will begin at 4:30 p.m. in Berkner Hall and will be followed by a reception.

Returning to BNL for his second visit as the Haworth Distinguished Scientist in the Department of Applied Science is Harvey Brooks, Benjamin Pierce Professor of Technology and Public Policy emeritus and Gordon McKay Professor of Applied Physics emeritus at Harvard University.

On Thursday, March 28, Brooks will deliver a lecture of Lab-wide interest at 4 p.m. in Berkner Hall. His talk on "The Global Problematique: The Coming Transition in the World Economy" will be followed by a reception at 5 p.m.

BNL Lecture: Coronary Angiography at the NSLS

Every minute of every day, one's heart usually does what one's heart is supposed to do — pump rhythmically to maintain the circulation of blood throughout the body.

But, if the coronary arteries that supply the heart with blood should become narrowed by deposits of fatty plaque or by hardening, heart disease will occur. This is the case with some five million Americans, about 500,000 of whom die each year from the most dreaded symptom of heart disease — heart attack.

To determine a course of treatment for heart disease, physicians need to assess the condition of the coronary arteries. However, today's conventional diagnostic technique — arterial catheterization — involves significant risk to the patient.

Far less dangerous is an experimental technique called transvenous angiography now being done at BNL's National Synchrotron Light Source (NSLS). Director of the project is William Thomlinson, Associate Chairman of the NSLS Department.

Thomlinson will talk about "Coronary Angiography at the National Synchrotron Light Source" when he delivers the 268th Brookhaven Lecture on Wednesday, March 20, at 4 p.m., in Berkner Hall. His talk will be introduced by Laurence Passell, Physics Department.

The NSLS project includes scientists and physicians from BNL, Lawrence Berkeley Laboratory, North Shore University Hospital, Palo Alto Veterans Administration Hospital, Stanford Synchrotron Radiation Laboratory (SSRL), Stanford University, Stanford University School of Medicine and the University of Tennessee.

As Thomlinson will explain, the project originated at SSRL in 1981, but it was moved to BNL in 1989 to

William Thomlinson positions a plastic phantom in the patient's chair to calibrate the imaging electronics for the angiography project at the NSLS.



Photos on this page by Roger Stoutenburgh.

take advantage of the high energy and intensity x-rays produced by the superconducting wiggler — a special high-field magnet inserted in a straight section of the NSLS x-ray ring in 1988.

Critical to the project's being at BNL is the Synchrotron Medical Research Facility (SMERF) built at beam line X17B to accommodate the physicists, physicians and patients involved in this research. And, as Thomlinson will emphasize, on-site support by BNL's Medical Department is also essential.

Thomlinson will show a videotape demonstrating how, for transvenous angiography, a patient is seated in a special chair within SMERF's imaging room. The chair moves vertically through two x-ray beams of different energies, which converge in a horizontal line at the subject's heart. The beams then diverge toward a pair of position-sensitive detectors that electronically record two separate images produced by the x-rays. The two scans are subtracted logarithmically by computer to generate a two-dimen-

sional picture of the coronary arteries.

In this procedure, the total x-ray dose absorbed by the patient is no more than the dose received during an arterial catheterization. Since the risks during venous catheterization are minimal compared to arterial catheterization, the development of transvenous angiography allows both serial imaging of patients and research programs to be carried out.

Since the project began at the NSLS last October, three patients' hearts have been imaged. Thomlinson will describe results obtained so far, and discuss such long-term objectives as using the technique to determine the efficacy of plaque reduction medications.

William Thomlinson was graduated with an A.B. from Dartmouth College in 1964, then earned his M.S. and Ph.D. at Yale University in 1966 and 1970, respectively.

He became a research associate in the Physics Department of Cornell University in 1970. In 1972, he went to West Germany as a physicist at (continued on page 2)

Women at Brookhaven: Careers in Engineering

On April 20, BNL will host a Career Day for Women to which students from all over Long Island are being invited. A major aim of this event is to provide role models for young women who may be exploring careers in science and engineering.

To introduce some of the young BNL scientists and

engineers who will interact with students at the Career Day, and to celebrate National Women's History Month, the Bulletin is running a series throughout March profiling a range of Lab women in science and technology.

This series continues by focusing on two women who have chosen to pursue careers in engineering.

Susan Hobbie, AGS

In the past, when professions such as engineering have "run in the family," they usually passed from father to son.

Today, however, women like Susan Hobbie carry on family tradition with a new twist — from father to daughter.

Hobbie is a staff engineer in the Alternating Gradient Synchrotron Department (AGS). Her father, John Gabusi, is also a BNL engineer.

"To do engineering and science was always at the back of my mind," said Hobbie, who remembers being intrigued by her father's work from an early age. "Then, when I first did electrical engineering at school, I found it both interesting and practical — so I continued."

Hobbie took her B.S. degree in electrical engineering at the State University of New York at Stony Brook in 1988. Among other achievements, during her last year she designed an implantable detector for epileptic seizure that won a contest sponsored by the Long Island section

of the Institute of Electrical and Electronic Engineers.

After graduation, Hobbie joined BNL. "I wanted the most diverse experience possible," she said. "I've learned a lot more here and done a (continued on page 2)



Susan Hobbie

Wai Lin Litzke, S&EP

As an associate staff engineer in the Office of Environmental Compliance, Wai Lin Litzke helps to review all new construction on site for a facility's potential impact on the environment.

If the new facility will be a source of air or water emissions, Litzke helps in applying for the necessary permits or permit modifications from the New York State Department of Environmental Conservation, as required under the Clean Air and Clean Water Acts of the U.S. Congress.

"Compliance with environmental law is first and foremost in everyone's minds these days, not only because it is legally necessary for the Lab to be in compliance, but also because it is good for the environment," states Litzke.

As an assistant engineer for the Suffolk County Department of Health 1988-89, Litzke was on the permit-issuing side of environmental law before coming to BNL. There, she reviewed plans for new construction of hazardous materials storage and



Wai Lin Litzke

inspected underground storage tanks and the like out in the field.

Since joining the Environmental Protection Section of BNL's Safety & Environmental Protection Division (S&EP) in February 1989, Litzke has also inspected construction and storage sites at BNL, participated in annual safety appraisals of all Lab departments and divisions, and been involved in special upgrade and remediation projects.

Litzke holds a B.S. in chemical engineering from Columbia University's School of Engineering and Applied Science. Under BNL's tuition reimbursement program, she has been pursuing her master's in civil (continued on page 2)

Meet the Candidates in the 1991 BERA Board Election

During the week of March 25-29, employees may cast their votes in the 1991 BERA Board election. Two of the four candidates whose pictures accompany this story will be selected to serve on the Executive Board of

the Brookhaven Employees Recreation Association (BERA) for four years, starting May 1.

Eligible voters include employees of BNL, AUI and DOE, as well as all other permanent on-site employers.

Absentee votes for those who will not be on site during voting week will be accepted in person at the Recreation Office, Bldg. 185, prior to Monday, March 25, when elections begin.

Ballots may be cast as follows:

Date	Time	Place
Mon., 3/25	11:30-1:30	Cafeteria
Tue., 3/26	11:30-1:30	Cafeteria
Wed., 3/27	11:30-1:30	Cafeteria
Thu., 3/28	11:30-2:00	Credit Union
Fri., 3/29	11:30-2:00	Credit Union



Andrea Epple

Andrea Epple, a senior technical specialist in the Safety & Environmental Protection Division, has worked at BNL since 1975 and participated in BERA clubs for the past 11 years. "I like being involved in organized groups and sports — and BERA has both."

Now with the Mudville Sluggers softball team, Epple had been a team captain for eight years, and has been League V representative for the past six and Softball League treasurer for the past three years.

"Because I am involved with softball's finances, I could use my experience on the BERA board to make informed decisions about how to spend BERA's budget, especially how to divide it up fairly among the different clubs," she says.

From 1983-86, Epple played with the then Screwballs in the Volleyball League. For the past 12 years, she has bowled with the mixed and women's Bowling Leagues and now substitutes for mixed league teams. For the past two years, she has shot a pistol with the Rifle & Pistol Club.

"From my experience with these clubs and my contact with BERA members, I think that, if I'm elected, I'll have an open mind to new ideas, and the interest and ability to carry out the good ones," she concludes.



Barry Karlin

Barry Karlin, a technical research associate in the National Synchrotron Light Source Department, came to BNL 12 years ago. He enjoys the friendliness and variety of the numerous BERA clubs.

"With well over 40 clubs, most people can join a group with similar interests," he said. "Or, one can even start another. I think the BERA Board plays a significant role in forming the general atmosphere of the Lab by enabling people to meet in a congenial atmosphere."

For the past seven years, Karlin has been a Volleyball League captain for Upfagrabs and has undertaken responsibilities that ranged from organizing awards dinners, to being League treasurer for three years and vice-president for a year.

Karlin has been on the Softball League awards dinner committee as well as a team co-captain for two out of nine years. He has also been a Golf Association member for eight years. In 1986, he sat on the nominating committee for the BERA Board.

Said Karlin, "I believe that I've made some contributions to each one of the BERA activities that I've been involved with. I'd like to be on the BERA board for the opportunity to make similar contributions to BERA as a whole."



Rosalie Piccione

Rosalie Piccione is a contracts specialist in the Division of Contracts & Procurement (DCP). She came to BNL's Fiscal Division in September 1961, then joined CPD in 1974.

"Being in my 30th year at the Lab makes me feel at home here — every employee seems like part of a friendly family," said Piccione. "The BERA clubs are a good way to get the family together."

Piccione was elected a BERA Board member in 1980, serving as vice-president during her third year in office. She was elected again in 1986. Her sports activities have included bowling and softball.

Piccione has been chairman of the BERA Special Events Committee for the past ten years. Under her leadership, the committee ran family picnics, dinner/theater events, and, in 1982 and 1987, the big picnics for BNL's 35th and 40th anniversary celebrations.

"I've always enjoyed arranging things so that everyone has a good time together," said Piccione. "Being on the BERA Board gives you the chance to do a lot that you can't normally do. It's a challenge to try and see that all the different interests we have at BNL get as much encouragement as possible."



Gary Smith

Gary Smith, a research engineer in the Alternating Gradient Synchrotron Department, came to BNL in 1965. He recalls "being somewhat awed by the fact that the place even had a recreation association. That was quite a change from the industrial environments that I was used to."

Since then, Smith has been a nearly constant participant in BERA activities. His softball teams have included the Bubble Boys, Who's on First and his present mixed-league team, the Foul Ups.

Smith has played volleyball for 15 years, and he is currently captain of the Fossils, as well as treasurer of the Volleyball League. He has also been involved with the Theater Group.

Now, Smith says, "I have the privilege of being nominated as a candidate to serve on the BERA Board. I want to thank those who consider me an appropriate choice, and, if I am elected, I will do all I can to continue the good work done by those who served on the board in the past. While I am sure that I have much to learn about the overall operation of BERA, I am also sure that I can bring to this body some fresh ideas and viewpoints."

Photos by Roger Stoutenburgh

Susan Hobbie (cont'd)

much wider variety of tasks than if I'd gone into private industry."

At her first job in the Department of Nuclear Energy, Hobbie worked on vacuum system interlocks and also designed a microprocessor-controlled radiation monitor. In July 1990, she moved to the Accelerator Controls Section at the AGS and is now in charge of the new Booster timing system, which will be used by the AGS and the Linac.

"The timing system provides synchronization for many AGS systems," explained Hobbie. "The power supplies, vacuum system and instrumentation depend on it. It consists of a large number of custom-designed electronics, which I am installing into several widely spread buildings in the AGS-Booster complex, using a previously designed fiber-optic distribution network. The sort of skills needed are digital circuit design and computer programming on PCs and workstations — and, of course, hands-on work in the lab to make it all work."

Hobbie has not found that being a woman has caused any extra problems in taking up her career. "I

haven't been at it long!" she said. "But it's been much the way I thought it would be — interesting and practical." — Liz Seubert

Wai Lin Litzke (cont'd)

engineering since spring 1990 at Polytechnic University, Farmingdale.

During her junior year at Columbia, Litzke first came to BNL — as a 1984 summer student in the Department of Nuclear Energy. After graduation in 1985, she worked through 1987 as a research assistant at IBM's T.J. Watson Research Center, then became a quality assurance engineer at Lawrence Aviation.

"Engineering definitely was the right choice for me," says Litzke, whose father was a civil engineer. "There's definitely a challenge to being accepted in male-dominated fields. Most men in these fields are just not used to working with women as equals, so it takes some time for them to get used to it. And sometimes women have to do a little more to prove ourselves. But once you're accepted for who you are and what you can do, you gain a lot of confidence in yourself and your ability." — Marsha Belford

BNL Lecture (cont'd)

the Kernforschungsanlage Juelich.

In September 1973, Thomlinson joined BNL's Physics Department as an assistant physicist. He was named associate physicist in July 1975 and physicist in December 1978.

Thomlinson joined the fledgling NSLS Project in January 1979. The NSLS began operations in 1982, and, in February of that year, Thomlinson moved to the newly formed NSLS Division, which had been established to oversee the synchrotron's operation. The division became the NSLS Department in November 1982, and Thomlinson was named Associate Chairman in April 1989.

Thomlinson is a member of the Advanced Photon Source Users Organization Steering Committee and the American Physical Society. He also sits on the Illinois Institute of Technology Advisory Board for its Synchrotron Research and Instrumentation Center.

After the lecture, those attending are invited to join the speaker for discussion and hors d'oeuvres. To join the lecturer for dinner at a restaurant off site, call Marty Woodle, Ext. 2521.

In Memoriam

Kenneth J. Orsini, a tool and instrument maker in the Central Shops Division who had been on long-term disability since September 1988, died on Monday, March 3. He was 52 years old.

Orsini joined BNL as an experimental machinist in February 1979. He was named a tool and instrument maker in September of that year.

A resident of Wading River, Orsini is survived by his four sons, Robert, Christopher, Scott and Stephen, as well as by his mother, Evelyn Orsini; his sister, Donna Boeshore; and his brother, Ronald Orsini, who also works in Central Shops.

Arrivals & Departures

Arrivals

John D. Glass..... Medical
Ann Margaret Hassig..... Sfgrds. & Sec.
Hyon-Joo W. Kehayias..... Physics
Arthur R. Keller Jr..... Sfgrds. & Sec.
Christopher J. Saxon..... Sfgrds. & Sec.

Departures

This list includes all employees who have terminated from the Lab, including retirees:
Christopher M. Goggin..... Accel. Dev.
Walter R. Going..... Plant Eng.
Paul J. Reardon..... Director's Off.

The War Hits Home

The Persian Gulf war took a personal toll on Patricia Hein, Accelerator Development Department, and her husband Peter when their son Kerry was killed in action during the war's last hours.

The first Long Island soldier known to have been killed in the war, Chief Warrant Officer Kerry Hein was 28 years old. He was attached to the U.S. Army's 507th Medical Company stationed at Fort Hood, Texas, where his wife Laura and two-year-old daughter Melissa were awaiting his return.

On February 27, Hein was piloting a medevac helicopter undertaking a rescue mission in Kuwait. When the helicopter was shot down by enemy fire, Hein and two members of his crew were killed, and another was seriously injured.

After being notified of their son's death, Patricia and Peter Hein waited nine days for his body to be brought back for burial.

"That terrible space of time would have been unbearable without the healing that has come through friends and family," said Pat Hein, who lives in Sound Beach and who has been with BNL since 1989. "I am grateful for the goodness of people, so many from the Lab. I feel the hand of God has reached out and touched me with every one of the hundreds of people who have walked through our door."

Last Monday, Suffolk County Executive Patrick Halpin ordered county flags to be flown at half staff



Kerry Hein (center) with his parents Peter and Patricia Hein.

in Kerry Hein's honor, until after his funeral. With U.S. Department of Energy concurrence, BNL flags were also lowered.

Following services at St. Anthony of Padua Roman Catholic Church, Kerry Hein was laid to rest Wednesday in Calverton National Cemetery with full military honors, including a 21-gun salute and a helicopter flyover.

In addition to his parents, his daughter and his wife, who is expecting their second child in April, Kerry Hein is survived by two brothers, Gregory and Peter, of Sound Beach; two sisters, Tara Van Bijsterveld of Santa Fe, New Mexico, and Christina, of Sound Beach; and his grandparents, Dee and James Conneely of Middle Island, and Hanns Hein of St. Augustine, Florida.

A close family friend, Richard Spellman, Central Shops Division, has helped organize a memorial fund for Kerry Hein's family. Anyone wishing to make a donation may call him at Ext. 3351, or send it to: The Benefit of the Family of Kerry Hein, North Fork Bank, P.O. Box 12, Jamesport, New York 11947.

To Your Health Defining Addiction

According to Webster's dictionary, addiction is a compulsive physiological need for a habit-forming drug.

But it is not that simple: Addiction involves the psychological as well as physiological needs of the user; in addition to legal and illegal drugs, people become addicted to alcohol and activities such as gambling; and many addicts are habitual users of more than one substance.

"What Is Addiction?" is the question that psychiatrist Sheila Blume will answer at the first lecture sponsored by the Health Promotion Program of the Occupational Medicine Clinic. Her talk will take place on Thursday, March 21, from noon to 1 p.m. in Berkner Hall. All are invited.

During the hour, Blume will define the meaning of addiction as it relates to alcohol and drug dependency. She will discuss both the physical and psychological signs of dependency, as well as how to recognize addiction in oneself and others.



The Medical Director of the Alcoholism, Chemical Dependency and Compulsive Gambling Programs at South Oaks Hospital, Sheila Blume is an internationally recognized expert on the topics of alcoholism, women and alcohol, and children of alcoholics.

She is a clinical professor of psychiatry at the State University of New York at Stony Brook, and the Director of the South Oaks Institute of Alcoholism and Addictive Behavior Studies. The former Medical Director of the National Council on Alcoholism, Blume was appointed New York State Commissioner for Alcoholism by then Governor Hugh Carey, and by then President Jimmy Carter to the National Commission on Alcoholism and other Alcohol-Related Problems.

Sheila Blume earned her medical degree with honors from Harvard Medical School.

To register for this lecture, return the bottom portion of the white Health Promotion flyer that was sent to all employees this week, to Health Promotion Specialist Mary Wood, Bldg. 490, before March 21. For more information, call Wood at Ext. 5923.

Volunteers Needed

Male volunteers, ages 20-70 and in good health, are needed to participate in brain imaging studies being conducted by BNL and the Veterans Administration Medical Center. A fee will be paid. For more information, call Gail Burr or Kathy Piscani, 261-4400, Ext. 2771.

Workshops Canceled

The next two Outreach workshops — "Separated and Divorced Singles," and "Intimacy" — have been canceled. They were scheduled for March 19 and 26, and April 9 and 16, respectively.

The Outreach series sponsored by BNL's Employee Assistance Program (EAP) will resume with the workshop "Working Mothers," on Tuesday, May 7 and 14.

Note to Employees:

Attendance at lectures, meetings and other special programs held during normal working hours is subject to supervisory concurrence.

Atlantic City Trip

The next BERA-sponsored bus trip to Atlantic City will be to Trump Castle Hotel & Casino on the Marina, on Saturday, April 20. Initially, the one-day trip will cost \$20, but the hotel/casino will give a \$12.50 coin return, \$4 towards food and a \$5 deferred voucher.

Tickets are on sale now at the BERA Sales Office in Berkner Hall, weekdays, 9 a.m. to 2 p.m. Participants must be at least 21 years old.

The bus will leave the Brookhaven Center promptly at 9 a.m. and return approximately 11:45 p.m. There will be an extra pickup at LIE Exit 63, if necessary.

For more information, call Louisa Barone, Ext. 3347; Rosalie Piccione, Ext. 3160; or M. Kay Dellimore, Ext. 2873.

ANS Meeting

Eric S. Beckjord, Director of Nuclear Regulatory Research, U.S. Nuclear Regulatory Commission, will speak on "Nuclear Safety Research," at the next meeting of the Long Island Section of the American Nuclear Society (ANS), on Wednesday, March 20, 8 p.m., at the Bavarian Inn, Lake Ronkonkoma.

Following cocktails at 6 p.m. and a buffet dinner at 7 p.m., the speaker will be introduced by Walter Kato, Chairman of BNL's Department of Nuclear Energy. To make reservations, call 436-4227.

Daffodil Days

Again this year, BERA will take part in "Daffodil Days." In this annual event sponsored by the Long Island Division of the American Cancer Society, daffodils will be sold for \$5 for a bunch of ten flowers.

So pick up a bunch of sunshine in the lobby of Berkner Hall on Thursday, March 21, from 11:30 a.m. to 1 p.m., or in the BERA Sales Office, Thursday and Friday, March 21 & 22, from 9 a.m. to 2 p.m.

Aerobic Dance, Stretch Classes

Spring is here, so it's time to put some spring in your step -- with the Aerobic Dance Club.

Classes in aerobic dance will be held on Tuesdays and Thursdays, while stretch classes will be on Mondays. Classes run from 5:15 to 6:15 p.m., and mats are recommended.

Each ten-week session of aerobic dance or stretch costs \$30, payable at registration preceding the first classes, which will be held in the Recreation Building in the apartment area as follows:

- Stretch — Monday, March 25
- Aerobic Dance — Tuesday, March 26, and Thursday, March 28

For more information, call Pat Campbell, Ext. 4853, or Janet Sillas, Ext. 2345.

Bowling

Red/Green League

R. Mulderig had a 244, A. Pinelli 244, H. Arnesen 230, E. Sperry IV 225, K. Riker 225/210, J. Muller 219/202 for a 619 scratch series, L. Jacobson 215, R. Sick 209, R. Larsen 207/200, C. Scarlett 205.

White League

Caryl MacDougall had a 222/188, Ken Riker 210, Ed Sperry 202, Ellie Adams 190, Mary Addressi 188, Lorraine Petro 181, Annamaria Spira 180, Gil Spira converted the 6/7 split.

Purple League

Ed Sperry IV had a 213, Gene Hassell 206, John McCarthy 200, Ginny Waterman 189, Sharon Smith 182, Pat Manzella 180.

Softball Captains

There will be a Softball Captains' meeting on Friday, March 22, at noon, in Berkner Hall, Room B. All preliminary rosters must be turned in at this meeting. Anyone interested in forming a team or finding a team to play on, call Martin Leach, Ext. 3813; Tirre Farmer, Ext. 3288; Bob Brown, Ext. 3569; Andrea Epple, Ext. 4424; or Denise Miesell, Ext. 5873.

Basketball

Games of March 7

Scram 52*	Bulls 51
P. Burgh 14	B. O'Brien 17
J. Barkwill 11	L. Furenlid 15
S. Nappi 10	J. Hrilijac 10
E. Gregory 7	F. Ligon 9
J. Duggan 4	
V. Cassella 4	
M. Davis 2	

*Scram won in double overtime.

Trailblazers 63

Trailblazers 63	Runaways 58
T. Mayo 19	L. Walcott 15
D. Evans 14	J. Desmond 14
R. Domenech 13	P. Ratzke 14
R. Garapolo 11	J. Belz 13
S. Springston 6	G. Smith 2

Three-point shots: R. Domenech (2), R. Garapolo (2), T. Mayo, L. Walcott (3)

Celtics 49

Celtics 49	Deep Six 42
B. Turner 19	B. Brown 14
G. Mack 15	J. Willi 9
A. Jones 6	D. Eleazer 8
P. Browne 3	R. McMillian 5
L. DiMauro 2	R. Hart 4
R. Reinhart 2	E. Tucker 2
N. Schaknowski 2	

Three-point shots: Eleazer (2)

Microcomputer Club

The next meeting of the Microcomputer Club will be held on Thursday, March 21, at noon in the conference room in Bldg. 475. Tom Dickinson, National Synchrotron Light Source Department (NSLS), will speak on "Automated Data Acquisition."

Dickinson will describe a system using a counter-timer card in a PC for collecting radiation monitor data at the NSLS. A basic program manages the hardware and generates files that are imported into Lotus 1-2-3 for processing and graphics. He will also discuss very inexpensive hardware for home and hobby data gathering using a Commodore 64 or a PC.

All are welcome. For more details, contact Irving Montanez, Ext. 2540.

Cafeteria Menu

Monday, March 18

Soup: Cream of chicken	.75/.95
Entree: Southern fried chicken w/ 1 veg.	3.10
Entree: Oriental stir-fry beef & broccoli	3.10
Fitness: Premier Cajun red snapper w/veg.	3.45
Carvery: Hot pastrami sandwich	2.85
Grill: Cheesesteak sub	2.85

Tuesday, March 19

Soup: Maryland crab	.75/.95
Entree: Country-fried steak w/ 1 veg.	3.25
Entree: Baked fish w/1 veg.	3.10
Fitness: Baked vegetable lasagna w/veg.	3.25
Carvery: Hot roast beef sandwich	2.85
Grill: Grilled Monte Cristo	2.85
Special: 2 hot dogs, fries & 12 oz. Coke	2.00

Wednesday, March 20

Soup: Hearty Navy bean	.75/.95
Entree: Spicy sausage jambalaya w/veg.	3.10
Entree: Chef's choice w/1 veg.	3.10
Fitness: Baked eggplant Parmesan w/veg.	3.10
Carvery: Hot Black Forest ham sandwich	2.85
Grill: Stromboli pita	2.85

Thursday, March 21

First day of spring — Salad bar variety	
Soup: Cream of broccoli	.75/.95
Entree: Szechuan chicken w/1 veg.	3.10
Entree: Cheese manicotti w/1 veg.	3.10
Fitness: Braised pot roast of beef w/veg.	3.25
Carvery: Hot corned beef sandwich	2.85
Grill: Super chili burger	2.85

Friday, March 22

Soup: Boston fish chowder	.75/.95
Entree: Crab Newburg over puff pastry w/veg.	3.45
Entree: Baked macaroni & cheese w/veg.	3.10
Fitness: Spaghetti & red clam sauce w/1 veg.	3.10
Carvery: Hot turkey sandwich	2.85
Grill: Italian sausage hero	2.85

BROOKHAVEN BULLETIN

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Classified Advertisements

Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position. Consideration is given to candidates in the following order: (1) present employees within the department/division and/or appropriate bargaining unit, with preference for those within the immediate work group; (2) present employees within the Laboratory; and (3) outside applicants. In keeping with the Affirmative Action plan, selections are made without regard to age, race, color, religion, national origin, sex, handicap or veteran status.

Each week, the Personnel Division lists new placement notices. The purpose of these listings is, first, to give employees an opportunity to request consideration for themselves through Personnel, and, second, for general recruiting under open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people.

Except when operational needs require otherwise, positions will be open for one week after publication.

For more information, contact the Employment Manager, Ext. 2882, or call the JOBLINE, Ext. 7744 (282-7744), for a complete listing of all openings.

The vacancies listed below have been exempted by the Director's Office from the current freeze on open requisitions.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees only.

NS 8641. ADMINISTRATIVE POSITION - Requires BS in accounting or equivalent work experience and excellent communication skills. Knowledge of Laboratory policies and procedures is essential. Familiarity with MIS inquiry systems, particularly accounting and budget systems, is required. Responsibilities include monitoring of budgets, assisting with budget development and maintaining property management system. The ability to obtain and maintain a security clearance is desirable. Safety & Environmental Protection Division.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

DD 0108 CARPENTER - Under minimum supervision lays out, constructs, modifies and maintains buildings and component parts from construction drawings, rough sketches or verbal instruction. Works with wood, wood substitutes and combination materials, and flooring, roofing and wall materials. Plant Engineering Division.

DD 8672. ENGINEERING POSITION - Requires BS in related field, training and five years' experience in either nuclear power or nuclear reactor health physics. Will be responsible to lead and supervise the Division's support given to the Reactor Division. Responsibilities also include program audit and oversight, radiation exposure control practice, radiation monitoring, industrial hygiene monitoring, safety and supervision of a professional and technical staff. ABHP certification desirable. Safety & Environmental Protection Division.

DD 6017. TECHNICAL POSITION - Requires an AAS in electronic technology or computer science and system-related experience, as well as the ability to assist with application program software, data manipulation and control-room faultfinding. Responsibilities will include test setup of superconducting and room temperature magnets using computer codes; the installation, maintenance, implementation and construction of test facility components and systems using analog and digital concepts. Demonstrated mechanical ability, good communication skills and the ability to work from schematics and verbal instructions also required. Shift work required. Accelerator Development Department.

DD 0914. TECHNICAL POSITION - Requires an AAS in electronic technology or equivalent experience and ten years' experience in design and fabrication of analog and digital electronic systems. Responsibilities will include development, fabrication and testing of analog signal processing circuits, data acquisition systems and interfaces to accelerator timing and control systems. RHIC Project. Accelerator Development Department.

NS 6096. OPERATIONS ENGINEERING SPECIALIST POSITION - Requires BS in electrical technology, physics or electrical engineering. Background in computer controls, high-energy pulsed power supplies and digital electronics desirable. Primary responsibilities will be as part of a rotating shift team which operates and troubleshoots the AGS accelerator complex. Alternating Gradient Synchrotron Department.

NS 0623. NUCLEAR REACTOR OPERATOR TRAINEE - Requires an AAS or equivalent experience in reactor operations as well as demonstrated mechanical ability. Previous reactor experience desired, naval reactor experience preferred. Must be able to obtain and maintain a security clearance. Must be able to work rotating shifts: Reactor Division.

Motor Vehicles & Supplies

89 HONDA ACCORD DX - white, a/t, w/lots of extras, very low mi., assume lease. 689-1500, Ext. 307 days, or 862-7648 eves.

89 KX250 DIRT BIKE - fast, excel. cond., \$2,100. Bob, Ext. 4672 or 929-4753.

89 SHADOW SUPREME - 4-dr., a/t, ground effects, light covers, ac, new stereo system, tint, more, best offer over \$8,000. Neil, Ext. 3084.

89 T-BIRD - full power, 32k mi., 100k mi., warranty, excel. cond. \$9,750. Jeff, Ext. 5262.

88 MUSTANG GT - all options except moonroof, garaged, alarm system, excel. cond. Ext. 2981.

87 NISSAN SENTRA - 2-dr., 5-spd., ac, am/fm cass., sunroof, orig. owner, 60k mi., excel. cond., \$3,550. 862-7821 eves.

87 BRONCO II XLT - 5-spd., ac, cruise, p/w, 30k ext. warr., visor, running boards, alarm, more, excel. cond., \$9,000. Susan, Ext. 5149.

87 HONDA ELITE MOPED - excel. cond. Russ, 325-0563.

87 HONDA ACCORD - h/b, a/t, ac, immaculate, new tires, 46k mi., \$6,700. Beth, Ext. 3555 or 472-0706 eves.

87 MERCURY COUGAR - fully loaded, 29k mi., excel. cond., \$8,500. L. Potter, Ext. 4127 or 874-4265 after 6 p.m.

87 CHEVY BLAZER - 4wd, blue, 51k mi., excel. cond., asking \$11,000. 929-4962.

86 COLEMAN POP-UP - Columbia, sleeps 6, gas stove, excel. cond., \$2,200. Tom, Ext. 4439.

78 MERCURY ZEPHYR - 84k mi., good tires & cond., good for local driving, asking \$600. Keith, Ext. 5295.

87 PONTIAC FIERO - 4-cyl., a/t, burgundy, 28k mi., looks & drives like new, \$3,900. Jack, 281-2382.

87 GMC S-15 JIMMY 4x4 - a/c, p/w, p/l, cruise, tilt, cass., 55k mi., extras, mint cond., \$9,850. Chuck, 331-9892.

87 BUICK LE SABRE - ac, all power, 83k mi., v.g. cond., \$4,500. Toni, 878-4448.

86 HONDA ACCORD - 2-dr. h/b, a/t, 46k mi., excel. cond., \$6,550. JoAnn, Ext. 4120 or 689-7963.

86 MAZDA SE-5 PICKUP - 5-spd., fiberglass cap, am/fm, bedliner, new tires, 74k mi., excel. cond., \$3,200. 862-7821.

86 SUBARU GL - 2-dr. h/b, am/fm cass., power pkg., sunroof, 27k mi., excel. cond., \$4,990. Ext. 4985.

86 CHRYSLER NEW YORKER - 4-dr., white, V-4 turbo, alarm, computer, all options, full-sp., leather int., \$6,300. Jim, Ext. 4040 or 289-0876.

85 SUBARU XJ - light blue, am/fm, 5-spd., sunroof, clean, 93k mi., 757-1973.

85 FORD LTD WAGON - 6-cyl., ac, 68k mi., a/t, am/fm, cruise, excel. cond., \$3,500. Barbara, Ext. 2456.

85 DODGE RAMCHARGER 4x4 - all options, running boards, alarm system, am/fm cass., excel. cond. \$7,000. Chris, Ext. 2326.

83 OLDS DELTA ROYALE - metallic brown, a/t, p/w, cruise, fully loaded, 80k mi., orig. owner, \$2,500. Chan, 499-8758 eves.

83 FORDE ESCORT - runs, leaks oil, good for parts, \$200. Henrique, Ext. 5089 or 928-8780 eves.

83 CADILLAC ELDORADO ROADSTER - carriage top, moonroof, all options, runs & looks beautiful, asking \$4,500. Chuck, 331-9892.

83 MERCURY CAPRI RS - T-top, McLaren int., Alpine CD, \$1,800. Scott, 929-3147.

82 DATSUN 210 - 2-dr., tan, 5-spd., m/t, 4-cyl., 99k mi., runs well, some rust, \$480. Mark, 744-5851.

82 FORD XLT WINDOW VAN - a/t, p/s, p/b, 94k mi., excel. cond., \$2,500. 472-9199.

82 DODGE RAM CAMPER - sleeps 4, refrig., heater, 89k mi., extras, excel. cond. 924-6129.

81 BUICK CENTURY - 4-dr. sedan, 5 Michelin tires, new water pump & alternator, just tuned, \$1,200. Joe Trebing, Ext. 4204.

81 DATSUN 510 WAGON - engine & drive train excel., body another story, 130k mi, new Michelins, \$300. Rich, Ext. 3386.

81 VW RABBIT 4S - diesel, am/fm, ac, new belts, glow plugs, batt., brakes, muffler system, excel. cond., \$1,095. 874-4845 after 6 p.m.

81 TOYOTA COROLLA - 4-dr. sedan, 98k mi., a/t, ac, p/s, p/b, am/fm cass., runs well, \$890. Ext. 2647.

80 CORVETTE - L-82, white/red int., a/t, all options, very clean, 28k orig. mi., \$12,000. Rod, 751-7023.

Boats & Marine Supplies

22' BERTRAM - fiberglass, hi-liner cuddy, new power train, electronics, EZ Loader trailer, mint cond. 874-4947.

19' CELEBRITY - 1987, cuddy cabin, w/trailer, excel. cond., \$9,950. Bob, 689-7963.

19' O'DAY MARINER - CB, cushions, 6-h.p., excel. cond., \$2,250. Ext. 2109 or 472-9199.

17' O'DAY DAYSAILER - 4-h.p. Evin., trailer, good cond., ask. \$1,500. Dick, Ext. 2881 or 286-3372.

Furnishings & Appliances

WATER BED - queen, pedestal, \$75; Craftwood oval table, cherry, w/leaf, \$150; Kirby upright vacuum, old, \$25. Bruce, Ext. 4549 or 732-1927.

BEDROOM SET - Burlington, girl's, desk, dresser, hutch, cheval mirror, daybed, hand-painted detail, light pine, \$500 neg. Bill, Ext. 7625 or 732-9102.

DINETTE - chrome & glass table w/4 upholstered chairs, stained glass ceiling light, \$100/both. Bill, Ext. 4986 or 563-1940.

DINING ROOM - 8-piece, breakfront, table, 6 chairs, v.g. cond., \$500; 5-piece bedroom, v.g. cond., \$250. 363-2796.

DINING TABLE - 6', maple, 2 leaves, 2 captain's chairs, 4 mates, \$250/all; convert. loveseat, twin, w/matt., \$100; 6' couch, \$100. Mark, 744-5851.

DRESSER - also double bed w/headboard. Ext. 2487 or 928-6930 after 4:30 p.m.

FREEZER - Westinghouse, frostless, upright, 18.5 cu. ft., excel. cond., \$100. 874-4845 after 6 p.m.

LIVING ROOM - French Provincial, blue velvet, 2 chairs; contemporary dining room, 6 ladder-back chairs, walnut. Bobbi, Ext. 2456.

LIVING ROOM - contemp., sofa-bed, couch, enter. center, coffee table; kitchen, 6 chairs; china cabinet; double bed, dressers. Lisa, 757-5962.

MICROWAVE - Philco Super Power, 1200W, 14"x15"x9", timer, you pick up in Bellport, \$20. Ralph, Ext. 2180.

REFRIGERATOR - 23 cu. ft., w/ice maker, \$200; Kenmore dishwasher, portable, mint, \$200. Alan, Ext. 4584 or 298-2005.

TABLE - dark pine, 42", 4 captain's chairs, 2 leaves, good cond., \$95 neg. 744-2214.

Tools, House & Garden

AMARYLLIS BULBS - large, potted & budded, \$3/ea.; other houseplants avail. Kate, 727-8631.

FIREWOOD - seasoned, hardwood, cut, split, delivered, \$125/full cord. Dave, 331-4629, leave message.

HEATERS - Coleman, 35,000 Btu, w/6" exhaust & 2 gal. kerosene supply; 7 elect. baseboard heaters; Sears a/c, 17,000 Btu. Frank, Ext. 3120.

KEROSENE HEATER - 9,000 Btu, excel. cond., \$30. Bill, Ext. 4986 or 563-1940.

SWIMMING POOL EQUIPMENT - stainless steel ladders, vacuum & hose, more. Bob, 878-1829.

TABLE SAW - 10", adjustable, pro-tech, \$60. Bill, Ext. 2047 or 472-4684.

WELDER - 200A Lincoln, 4-cyl. Continental engine, asking \$1,500 or best offer. 744-3204.

Sports, Hobbies & Pets

BASS GUITAR - fretless Fender Precision, natural finish, hard case, \$395. Bob, Ext. 5851.

BIKE - Schwinn Tandem, adult, excel. cond., \$75. Bruce, Ext. 4549 or 732-1927.

BUMPER POOL TABLE - dark wood, flips over for card table, excel. cond., asking \$150. 369-2716 after 6 p.m.

DISCUSSES - 2, also shot put, good for practice, \$3. Jim, Ext. 4452.

GIUITAR - classical, w/hardshell case & extras, \$150. Russell, Ext. 7539.

POOL PUMP - Columbia series, 1-h.p., used ½ the season, orig. \$260, now \$175/neg. Ernie, 588-4987.

SURF ROD - 11', used once, brand-new, \$45. Emil, Ext. 4289.

VIBRAHARP/VIBRAPHONE - w/working motor, \$500 or best offer. Carol, Ext. 3315 or 744-7493.

Audio, Video & Computer

COMPUTER - IBM AT clone, 12MHz, 2 meg ram, 44 meg hd, 5.25 hd floppy drives, 101 keyboard, w/trackball, more, \$1,400. Gary, Ext. 3268.

COMPUTER - Aquarius, w/data recorder, printer, word processing, finance management software, 2 game cartridges, \$45/all. Ext. 2679 or 472-6922.

COMPUTER MONITOR - color; leather weight-lifting belt; golf clubs; fish tank; racquetball racquet. Georgia, Ext. 2384.

SCANNER - Regency INF-5, police/fire/emergency/weather, ac powered, \$60; Hitachi color TV, 15", 2 yrs. old, \$150. Ken, Ext. 5110.

SCANNER - 400 channels, 25 to 1200 MHz, multi-mode, mint, \$225. J. Skora, Ext. 4379.

PRO-SCREEN TV - 41", NEC stereo, 3 yrs. old, excel. cond., warranty, \$1,700. Jeff, Ext. 5262.

VIDEO CAMCORDER - RCA, CMR 300, auto focus, play through TV, much more, \$500. Al, Ext. 3992 or 331-1003 eves.

VCR - Canon, VR-HF 720 HQ, hi-fi, multi-channel, TV sound, 107 channels, on-screen display, 1 yr. warranty, asking \$400. 331-1003.

MODEM - Hayes 1200 Smartcom for IBM PC-XT, 100% compatible, new, in box, w/manuals & software, \$49. Chuck, 929-4413.

MONITOR - Princeton Graphics, amber TTL, w/graphics card, \$75. Chris, Ext. 2326.

COLOR TV - 19", good cond. Tim, Ext. 4367 or 924-6175.

COLOR TV - 19", \$100; oak coffee table, 36" square, matching octagon end table, 25", w/bottom shelf, \$200. Budd, Ext. 5235.

Miscellaneous

WINE PRESS - table model, old, \$50; 6-qt. stainless pressure cooker, \$10; 5 windows, good cond., \$25; 2 end tables, \$25/pr. 878-6637.

BABY'S ITEMS - walker, \$15; infant seat, \$7; stroller, \$5; elec. food grinder, \$15. Lisa, 736-4611.

CONCERT TICKETS - Tokyo Met. Symph., 4/5, \$23/ea.; Alicia DeLarocha, piano, 4/10, \$50/ea.; 2 ea., Carn. Hall. Kurita, Ext. 7843 or 914-591-8100.

METAL CASH DRAWER - lock, 6 coins, 3 bills, 19"d x 12"w x 3 3/4"h. Bookless, Ext. 4493 or 286-8698.

OPERA TICKETS - 2, Metropolitan, Monday, April 8, 8 p.m., Mozart's *La Clemenza di Tito*, 3rd row, balcony, \$27/ea. Carmen, Ext. 4135.

TYPEWRITER - electric, excel. cond., \$150; end table, \$20; 45" wood shelf, w/brackets, \$10; lamp, \$10. Kathy, 744-2203.

TYPEWRITER - Brother, portable, memory correction, more, never used, \$100; coffee table, 20"x54", glass top. Juan, Ext. 4986.

Free

TREE - 25' blue spruce, you dig. Susan, Ext. 5149.

CATS & KITTENS - many colors, moving, must find home for loving cats. Alan, Ext. 4584 or 298-2005.

MATTRESS - twin size, clean. 924-8160.

Lost & Found

FOUND - earring, purple & black beaded, 4" long, parking lot of Bldg. 902. Cynthia, Ext. 5459.

FOUND - locket w/picture, south side of Physics Bldg., Friday, Nov. 8.. Martin, Ext. 3766.

LOST - prescription sunglasses, in vicinity of pool or Bldg. 134. V. Mott, Ext. 7108.

Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed, sex or national origin of the applicant.

For Rent

HAUPPAUGE - ground-level apt., furn., bdrm., l/r, hot plate, working single, nonsmoker, no pets. 265-0867.

LAKE PANAMOKA - 2-bdrm. ranch, deck, large property, eik, d/r, l/r w/lp, full bsmt., w/d, priv. beach rights, 5 min. to Lab., avail. immed., \$725/mo. + util. 929-3407.

MASTIC BEACH - all new 1-bdrm. apt., full bath, full kit., priv. ent., yard, driveway, for single, \$550/mo. pays all. Anthony, 281-2513.

MATTITUCK - 1-bdrm. apt., large l/r & closets, full bath, kitchenette, sep. ent., quiet wooded area, near water, nonsmoker, \$450/mo. Ext. 7657 or 298-9560.

MATTITUCK - 3-bdrm. house, 1 1/2 baths, l/r-d/r w/2 bay windows, sun deck, w/w, drapes, all appl., on ¼ acre, 2 blocks to town, \$850/mo. + util., avail. May 1. Ext. 5161 or 298-2166.

N. BAYSHORE - 2 bdrm., l/r, eik, d/r, w/w, den, semi-furn., 1 1/2 baths, more, single, working, nonsmoking adult, no children/pets, \$550/mo. + 1/2 util. Walt, Ext. 2907, 698-0576 or 231-6017.

N. SHIRLEY - 1-bdrm. apt., l/r, full bath, kitchen, priv. ent., 5 min. to Lab., \$525/mo. incl. all. Peter, 981-1232 days or 395-4749 eves.

PATCHOGUE VILLAGE - 1-bdrm. apt., new, full bath, furnished or unfurnished, kitchen, use of fenced-in yard, quiet neighborhood. 289-7902.

PORT JEFFERSON STATION - 1-bdrm. apt., l/r, eik, bath, quiet area, 30 min. from Lab., priv. ent., single pref., \$500/mo. all. 757-1973.

SHIRLEY - 1-bdrm. apt., l/r, eik, full bath, single working adult, no pets, \$575/mo. + sec., includes util., avail. immed. Carla, 281-1840 after 6 p.m..

SHIRLEY - 2-bdrm. apt., l/r, eik, full bath, priv. ent., walk to beach, near all, \$750/mo. includes all, sec. & refs. 15 min. to Lab. Lorraine, 281-1658.

SOUND BEACH - 1-bdrm. apt., full bath, kitchen-l/r combo, cable, priv. ent., \$600/mo. incl. all; also, 2-bdrm. apt., bath, l/r, eik, near all, \$675/mo. + elec. Ext. 2671 or 744-3284 after 4 p.m.

SOUND BEACH - 2-bdrm. house, large l/r, full kitchen, full bath, walk to beach, Miller Place SD, \$700/mo. + util. 744-1240 days or 744-5278 eves.

SOUND BEACH - cozy, clean, 1-bdrm. apt., over gar., priv. ent., \$550/mo. + util. Sona, 744-6341.

CLAREMONT, NH - 2-bdrm. condo, under 40 mi, to ski Killington, Okemo, Magic Mt., Mt. Sunapee, \$330/wk., \$225/wkend. Frank, Ext. 7749.

CATSKILLS - 3-bdrm. chalet w/sleeping loft, fully furn., near Hunter & Windham Mts., great for skiing. Kay, Ext. 4501, or Bea, Ext. 3642.

HILTON HEAD, SC - 2-bdrm. condo on golf course, avail. Mar. \$300/wk., Apr.-Sept. \$450/wk. Guy, Ext. 3147 or 689-5378.

N. MYRTLE BEACH, SC - 1-bdrm. condo, sleeps 4, tennis, in/outdoor pool, 3 golf courses, beach rights, Mar./Apr., \$250/wk. Joann, 472-6742.

For Sale

BROOKHAVEN HAMLET - 4-bdrm. Cape Cod, 2 baths, d/r, l/r, eik, 2-car gar., 20' deck, patio, more, close to bay, ¼ acre, red. to \$219,000. Vera, Ext. 7108 or Carl, 214-708-2058.

CENTEREACH - 3-bdrm. Cape, country eik, new bath, w/w, Andersens, recessed lighting, bsmt., full fenced, det. gar., app. low taxes, family neighborhood, walk to all, \$125,000. 588-9452.

CORAM - Les Jardins, 1-bdrm. co-op, 5 appl., 2nd floor balcony, walk to shopping, 15 min. to LIRR Ronkonkoma, 20 min. to Lab., \$78,500. Rich, Ext. 5540.

CORAM - Strathmore East, 4-bdrm. ranch, 2 baths, cathedral l/r, 2-car gar., gas heat, fenced corner lot, \$120,000. Ext. 3791 or 928-7154.

GLEN OAKS - 2-bdrm. co-op, upstairs, corner apt., large l/r-d/r, attic, kit., appl., gas heat/cooking, walk to shops, near LIE & Northern Pkwy., ask, \$89,000. Ext. 2679 or 472-6922.

MASTIC - 3-bdrm. ranch, 2 yr. old, 2 baths, bsmt., 100'x100', fenced, skylight, all appl., \$16,000 cash over exist. \$100,000 mtg., owner helps w/closing costs. 399-5051.

RIDGE - 2-bdrm. house in adult community Leisure Knoll, ac, newly carpeted & decorated, walking distance to rec. hall, pool, tennis, lots of extras, 5 mi. to Lab, \$135,000. 744-3366.

SMITHTOWN - 3-bdrm. brick house, l/r, d/r, eik, den, 2 baths, full finished bsmt., gar., gas hot air, 2 zones, Andersens, ¼ acre, ask. \$160,000 or rent \$1,000/mo. + util. Bawa, Ext. 3499 or 331-8128.

STONY BROOK - 4-bdrm. ranch, 2 baths, 9 rms., igp, cac, sprinklers, sewers, 2-car gar., 2000 sq. ft., fenced, near mall, \$189,000 firm. 751-7023.

BALLSTON SPA, NY - 4+ bdrms., restored Victorian, l/r, d/r, eik, 1 1/2 baths, shy 1/2 acre, 5 min. from Saratoga., app. barn-like gar., dead-end street,