BROOKHAVEN BULLETIN
Vol. 45 - No. 42 October 25, 1991
BROOKHAVEN NATIONAL LABORATORY

RHIC Detector Development Enters New Phase

When it begins operating in 1997, BNL's Relativistic Heavy Ion Collider (RHIC) will recreate conditions similar to those that existed in the instants immediately following the Big Bang. But to investigate those conditions — by recording the events that occur when RHIC's two beams of heavy ions collide at energies of 100 billion electron volts per nucleon — will require sophisticated detectors, unlike any ever built for any other accelerator.

The technologies required for these imposing devices were the subject of the two-day "Symposium on RHIC Detector R&D," held at BNL on October 10 & 11.

Two large detectors, to be built for RHIC's initial operation, are now in the design stage. Twenty new R&D proposals were submitted to this symposium: Some are to support specific detector design; others are of generic interest for RHIC experiments.

The evaluation of the new R&D proposals was done by the RHIC Detector Advisory Committee (DAC), which stayed on through Saturday, October 12, to make their recommendations. This was the committee's final meeting.

The DAC was formed when research and development for RHIC detectors began, about three years ago. Now that RHIC detector development is moving from R&D into the specific design phase and the DAC has passed its conclusions along to the RHIC administration, the task of following the development of the selected detector designs falls to a new group, the Technical Advisory Committee.

Shown here with Thomas Ludlam (left), RHIC Associate Project Head for Detectors & Experiment Support, to whom the Detector Advisory Committee (DAC) reports, are outgoing DAC members: (from left) Peter Braun-Munzinger, State University of New York at Stony Brook; Andrew Lankford, University of California, Irvine; Lee Schroeder, DAC Chairman, Lawrence Berkeley Laboratory; Stanley Majewski, Continuous Electron Beam Accelerator Facility; Hans Gutbrod, CERN and GSI; and Howard Gordon, BNL.

Photos on this page by Roger Stoutenburgh.

At the "Symposium on RHIC Detector R&D," a session on electronics design was chaired by Veljko Radeka (left), who heads BNL's Instrumentation Division, which is involved in several R&D efforts for RHIC detectors. He is introducing Bernard Wadsworth, Massachusetts Institute of Technology, who spoke about development of integrated circuits for readout of RHIC detectors.

Brain Imaging by Noninvasive InSPECTion

The use of nuclear medicine imaging to detect disease and monitor the effects of treatment has been greatly extended by refinements in techniques for examining, noninvasively, the function and structure of a patient's brain or other internal organs. And the expanding use of single photon emission computed tomography (SPECT) over the past five years reflects the success of this method of nuclear medicine imaging.

The development of new SPECT imaging techniques and procedures has been under investigation in places such as BNL's Medical Department. Recently, advances in instrumentation and reductions in cost have made SPECT brain-perfusion imaging potentially available to the majority of clinical nuclear medicine facilities in the United States.

To set up guidelines for acquiring, processing and interpreting SPECT brain images, and to consider the need for a multicenter research project to develop a database of normal and abnormal images categorized according to disease as standards for interpretation, a Workshop on Brain Perfusion Imaging was held at BNL's Medical Department, October 8-9.

Among the 50 participants were several of the major contributors and leaders in the development and use of SPECT in brain-perfusion imaging, and technical representatives of many of the radiopharmaceutical and SPECT instrumentation suppliers. Participants came from across the United States, Canada and England. The workshop was cosponsored by the Office of Health and Environmental Research of the U.S. Department of Energy and the Brain Imaging Council of the Society of Nuclear Medicine, with additional support provided by IMP Inc. of Illinois.

The organizing committee for the Workshop on Brain Perfusion Imaging included (from left) BNL's David Weber, who heads the Medical Department's Nuclear Medicine Division where SPECT research is carried out; Ronald Tikofsky, Nuclear Medicine Department, Medical College of Wisconsin; and Michael Devous Sr., Nuclear Medicine Center, University of Texas SW Medical Center.

October Is Energy Awareness Month

"Building a Strategy for America's Future" is this year's theme for October, which has been designated national Energy Awareness Month.

According to the U.S. Department of Energy (DOE), Energy Awareness Month is observed every year to promote a greater public understanding and awareness of America's energy resources, and the importance of efficient energy use and conservation.

Though the U.S. is the fourth largest country in the world by geographic size and population, most Americans are not aware that it is the world's biggest energy consumer.

According to DOE statistics, coal supplies nearly a quarter of all U.S. energy and is the nation's most abundant fossil fuel resource. Second to coal, nuclear energy accounted for 20 percent of the electricity generated in America. And, in 1990, the nation imported 42 percent of the oil it consumed.

Since 1973, BNL's energy consumption and conservation has been the concern of the Plant Engineering Division's Energy Management Group (EMG), which is managed by Gregory Flett and staffed by Project Engineers Paul Colman and Mark Toscano. The EMG has implemented a number of innovative energy conservation projects on site, reducing energy consumption per square foot of building space by 10 percent since 1985.

One of the ways that this has been accomplished, for instance, was by enrolling BNL as a member of the Energy Cooperative of the Long Island Lighting Company (LILCO) in 1989. By agreeing to reduce its demand for electricity coming over LILCO power lines during peak

(continued on page 2)

Heavy Ions Zip To Booster's Door

Earlier this week, on the evening of Monday, October 21, silicon ions from the Tandem Van de Graaff facility zipped through a transfer line all the way to the Booster, stopping just inches short of entering that newly constructed accelerator.

In the microseconds it took for the heavy ions to travel roughly 2,700 feet, the transport line between the Tandem and Booster became fully operational.

The operations crews for the Tandem and Alternating Gradient Synchrotron (AGS) have worked many months toward this goal, one of a number of steps that will lead to heavy-ion experiments in BNL's AGS in the spring of 1992 and, ultimately, in the Relativistic Heavy Ion Collider now under construction.

Save Phone Time; Use Trunk Queuing

If you've spent time redialing off-site telephone calls because all outgoing lines, or trunks, were busy, you'll want to use the trunk queuing feature of the BNL telephone system.

This feature is to off-site calls as "camping on" is to on-site calls. After encountering an all-trunks-busy condition while trying to place an off-site call, phone users may employ trunk queuing to wait in line, or in queue, for the first available trunk, then have the call placed without having to dial it again. To use trunk queuing:

- Dial your outside call. If you hear three bursts of tone followed by two beeps, the system is informing you that all trunks are busy and inviting you to queue.
- Depress the hookswitch once to receiving a steady ringing sound.
- Dial 5. You will hear an announcement confirming that you are queued, then asking you to hang up.

When a trunk becomes available, you will be called. When you answer, the system will announce that your queued call is being placed. If you don't answer, you will be placed back in the queue for one more cycle. If you fail to answer this last call, you will be dropped from the queue.

Leaving the Lab — After 35 Years or More

Technologies may come and technologies may go, but at BNL, the need for one particular technology — glassblowing — has remained a constant since the lab opened its doors in 1947. And one of BNL's glassblowers — Paul Roman — has been constantly with the Glass Shop since November 10, 1947.

Now, after almost 44 years of plying his art at Brookhaven, Roman — today the Lab's only glassblower — has chosen to retire. Although his

Roger Stoutenburgh

Paul Roman

official retirement date was September 30, Roman is still working at BNL — as a consultant — until a replacement is on board.

Roman will then orient his replacement to the Glass Shop in Chemistry, Bldg. 555, where he and his then four fellow glassblowers moved in 1970 to be closest to the majority of the users of their work. Before that, the shop was part of the barracks that housed Instrumentation, which was then across from the Biology building.

Roman learned his trade before World War II, during an apprenticeship at RCA in New Jersey. During the war, he worked for the Manhattan Project at Columbia University, then went on to Oak Ridge National Laboratory. When he heard about a new lab opening on Long Island, Roman applied for a position, hoping to move closer to his family.

Since coming on board with life number 1574, Roman has used his ancient craft to help up-to-the-minute research ranging from studies of lunar rocks to carbon-14 age determinations to cluster-ion fusion.

Reflecting on his years with the Glass Shop, Roman said, "I will miss the academic environment that has been such an important part of my life. My profession as a technical glassblower has enabled me to reach out and be helpful in fabricating the intricate glass apparatus that is demanded by the scientific staffs of all the disciplines at the Laboratory. This included designing and assisting with problems pertaining to all phases of glass."

But not all Roman's time at BNL was spent in the Glass Shop. "I have been a participant in the sports programs at the Laboratory," he said, "including baseball, softball, tennis and bowling. And now, I am devoting my time to golf."

As for his plans as he settles into retirement, Roman said, "An important factor for retiring is having a wonderful and compatible wife who shares the same wishes and desires. My wife Elizabeth and I are looking forward to having extended vacations together, and to not being governed by strict time schedules."

While Roman has no plans to leave his Patchogue home, he said, "Visiting our daughter and four sons and their families, and getting more acquainted with our grandchildren will certainly be a priority."

— Anita Cohen

Healthline Lecture
To Take or Not to Take Estrogen

Now that women are living almost 30 years on average after their last menstrual periods, to take or not to take hormones to replace those that menopausal and postmenopausal women no longer produce themselves has become a question — and a controversy.

"Controversies in Hormonal Replacement Therapy" will be the next topic discussed in the Healthline lecture series of the Occupational Medicine Clinic's Health Promotion Program. To be presented by physician Michael Beckerman, the talk will take place on Tuesday, October 29, from noon to 1 p.m., in Room B, Berkner Hall. All are invited; bring your lunch.

As Beckerman will discuss, while hormonal replacement therapy (HRT) has always been effective in preventing hot flashes and minimizing other menopausal symptoms, in the past it involved significant risks, and its other benefits have been only more recently discovered.

Estrogen replacement therapy (ERT) was the first form of hormone therapy for menopausal women. In the late 50s and early 60s, it was touted as a cure-all for the likes of wrinkles and depression, as well as a variety of menopausal symptoms. At that time, estrogen was used alone in relatively high doses, which unfortunately resulted in associated high blood pressure, and breast and endometrial cancers.

By the mid-70s, as Beckerman will explain, ERT prescriptions were not being written or filled because these associated medical risks became well known. Around that time, however, the medical community thought of a better way to imitate a woman's natural hormonal cycle, and began prescribing progesterone along with estrogen.

As the mitigating effects of progesterone on estrogen became known, HRT became accepted, and the reported benefits for women on estrogen-progesterone therapy have included reduced incidence of heart disease and osteoporosis. But some questions about HRT still remain.

Michael Beckerman, M.D., has been an obstetrician and gynecologist in private practice in Patchogue for the past 17 years. At Brookhaven Memorial Hospital, he is an attending physician and the director of it Obstetrics and Gynecology Department. In addition to being board certified in his specialty, Beckerman is a diplomate of the College of Surgery and the College of Obstetrics and Gynecology.

To register for this lecture, return the bottom portion of the Health Promotion flyer recently mailed to all employees to Health Promotion Program Director Mary Wood, Bldg. 490, before October 28. If space is available, registration at the door will be permitted.

For more information about this lecture or the Health Promotion Program, call Ext. 5923.

Coming Up

Halloween Costume Party

All employees are invited to the Halloween Costume Party being held tomorrow night — Saturday, October 26 — in the Recreation Building in the apartment area.

Sponsored by the Afro-American Culture Club, the party will begin at 8 p.m. and feature costume contests and refreshments. For ticket information, call April Donegain, Ext. 2459; Kiesha Mack, Ext. 3319; Bruce Penn, Ext. 7213; or Barbara Simpson, Ext. 7187.

Haworth Scientist

Nobel laureate T.D. Lee, Columbia University, will arrive at BNL on November 3, to continue his appointment as Haworth Distinguished Scientist in the Physics Department. On Monday, November 4, he will deliver a lecture of Labwide interest on "Fundamental Theories in Terms of Difference Equations." This talk will begin at 4 p.m. in Berkner Hall, and a reception will follow.

BERA Concert

Two prominent Ukrainian musicians — violinist Oleh Krysa and pianist Mykola Suk — will appear in concert in Berkner Hall on Wednesday, November 6, at 8 p.m. They will perform three Beethoven sonatas: Sonata No. 3 in E-Flat, Op. 12; Sonata No. 5 in F, Op. 24, *Spring*; and Sonata No. 9 in A, Op. 47, *Kreutzer*.

Tickets can be purchased at the door for $12, general admission; $9, students and people over age 65; and $5 for youths under 18.

AUI Distinguished Lecture

Michael P. Schulhof, the President of Sony Software Corporation, will deliver an AUI Distinguished Lecture on Thursday, November 7. A solid-state physicist, Schulhof was a guest research associate at BNL, 1968-75. He will discuss "Phase Transitions: The Physicist as CEO," beginning at 4:30 p.m. in Berkner Hall.

BWIS Invites All

All are invited to Brookhaven Women in Science's (BWIS) annual Wine & Cheese Party — to take place this year on Wednesday, October 30, from 4:30 to 6:30 p.m., in the Recreation Building in the apartment area.

This informal get-together is held annually so all employees may get acquainted with BWIS officers and members, and learn about the group's accomplishments, which have benefited the entire Lab community.

BWIS's recently elected new officers are: Eva Emmerich, Alternating Gradient Synchrotron Department, and Harriet Martin, Technical Information Division — Group Coordinators; Kumi Pandya, Department of Applied Science (DAS) — Secretary; Pamela Mansfield, Computing & Communications Division (CCD) — Treasurer; Louise Hanson, DAS — Program Chair; Anita Cohen, Director's Office — Publicity Chair; Geraldine Lamble, National Synchrotron Light Source Department — Seminar/Lecture Chair; Victoria McLane, Department of Nuclear Energy — Scholarship Chair; Dorry Tooker, Office of Technology Transfer — Membership Chair; and Veronica Evans, CCD — Newsletter Editor.

Energy

(cont'd)

demand periods such as hot summer days, the Lab has significantly reduced electric energy costs.

Though all of the Lab's power is delivered via LILCO, BNL last year bought only 18 percent of its electricty from the utility. The remaining 82 percent of the Lab's electricity came from the Fitzgerald Nuclear Power Plant, which is located near Oswego, New York, and operated by the New York Power Authority (NYPA). Though both NYPA and LILCO increased their rates, and though the Lab used more electricity last fiscal year (FY) than the year before, BNL was able to hold its FY91 electricity costs at FY90 levels by using more NYPA power.

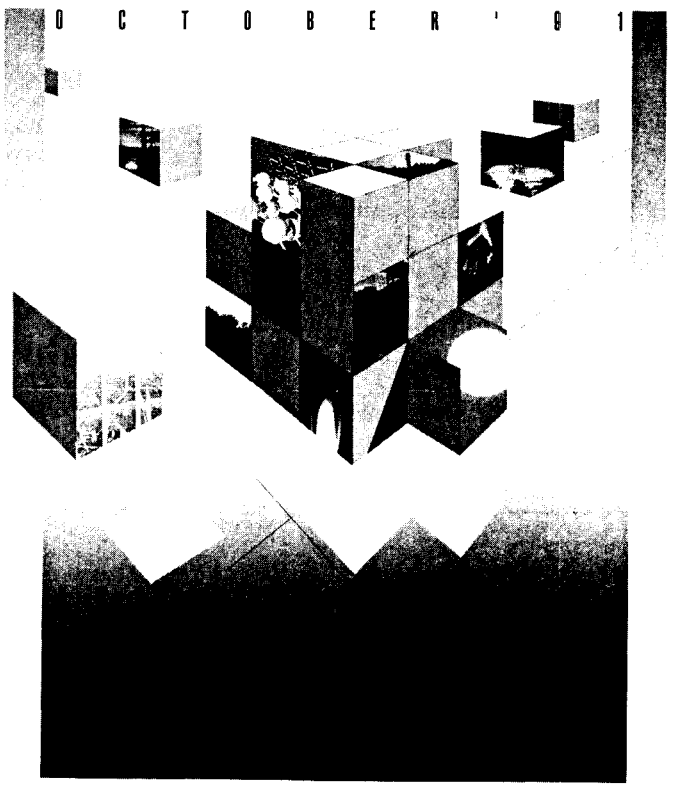
"Utilization of NYPA power and membership in the LILCO energy cooperative are just two of the many ways we are actively managing our energy consumption," explains Greg Flett. "Another way we manage energy usage is with the recently completed energy management control system, EMCS."

Introduced last year when the Central Chilled Water Facility, (CCWF) Bldg. 600, opened, the EMCS is a computerized network that will eventually monitor the heating, ventilation and air conditioning in 30 on-site buildings. The first phase of the system was completed this summer, when Bldgs. 463, 510/515, 600, 701/703 and 801 came on line.

"The EMCS reduces energy consumption by being more responsive to temperature changes, building occupancy, equipment condition and malfunctions," adds Flett.

Construction will begin this year on the EMCS's second phase, which will incorporate Bldgs. 488, 535, 555, 725, 815, 901, 911, 913 and 930 over the next two years.

Other energy-conservation projects to be undertaken this year by the EMG include: insulating the exterior of



UNITED STATES DEPARTMENT OF ENERGY

cinder-block buildings, installing 50 fume-hood controllers, adding microprocessor controls for chillers, replacing incandescent lighting, and connecting small air-conditioning units to the CCWF.

The EMG invites BNLers with energy-saving suggestions to call them on Ext. 3263.

Equipment Demos

Representatives of Keithley Instruments will display equipment for electrical measurement applications, on Tuesday, October 29, from 9 a.m. to 4 p.m., in Berkner Hall. They will show high sensitivity digital voltmeters, 10E11 gain/2 microsecond current amplifiers, IV characterization equipment and software, direct digital waveform synthesizers, LCZ analyzers and an 80-channel half-rack matrix/mux. Application manuals and handbooks will be available.

•

Computer workstations equipment, such as ergonomically designed computer tables, footrests, chairs, copy holders and wrist supports, will be displayed in Berkner Hall on Wednesday, October 30, from 11 a.m. to 2 p.m.

Please come to examine the products and comment on their appropriateness for use at BNL. Products for which sufficient interest is shown may be added to the Supply & Materiel Division catalog.

Softball

The Softball League will meet on Wednesday, October 30, in Berkner Hall, Room A, at noon, to discuss 1992 executive board elections and BERA funding. Recreation Supervisor M. Kay Dellimore will be present to answer questions.

Future league rulings cannot be achieved without your input, so please come to this meeting

Adult Swim Lessons

A second section of adult swim lessons will be given at the BNL swimming pool beginning Monday, October 28. Beginner and intermediate classes will each cost $25 for eight weeks of lessons on Mondays, from 5:15 to 6:15 p.m. Register at the pool during open pool hours or on the night lessons begin.

Bowling

Red/Green League

A. Warkentien had a 257/218/201 for a 676 scratch series, K. Asselta 246, R. Larsen 233, R. Eggert 218, C. Scarlett 215, M. Colombo 208, M. Guacci 201/200.

White League

Sharon Smith had a 190/182, Marilyn Picinich 187, Georgia Irving 185, Ken Batchelor converted the 6/7 split.

Purple League

Kathy Griffin had a 234, Lee Grimes 217, Sam Logan 204, Pete Stelmaschuk 202, Caryl MacDougall 192/192/181, Diane Lombardi 192, Renée Flack 184, Irene Sperry 180.

Don't forget! On October 27 . . .

BROOKHAVEN BULLETIN

Published weekly
by the Public Affairs Office
for the employees of
BROOKHAVEN NATIONAL LABORATORY

ANITA COHEN, Editor
MARSHA BELFORD, Assistant Editor
LIZ SEUBERT, Reporter

35 Brookhaven Ave., Upton, N.Y. 11973
(516) 282-2345

Fox Family Bluegrass Returns for Encore

The Fox Family Bluegrass has delighted country music fans with their well-blended harmonies at two previous BERA concerts. On Friday, November 1, they will return for a third time by popular demand, to perform another concert presented by BERA at 8 p.m., in Berkner Hall.

Winners of the talent contest at the Winterhawk Bluegrass Festival in 1989, the Fox Family Bluegrass is a group of four young musicians who are natives of New York's Adirondack Mountain region. Composed of a fiddle player, a banjo player and two guitarists, the quartet made its initial debut in the musicians' small hometown of Old Forge. Since then, their popularity has grown, and they have appeared in numerous concerts and music festivals in upstate New York.

Tickets for the concert cost $6 each for adults and $3 each for children under 12. They may be purchased at the door or in advance at the BERA sales office in Berkner Hall between 9 a.m. and 2 p.m. daily, or after 2 p.m. at the Recreation Office in Personnel, Bldg. 185.

Tickets can also be purchased from: Rick Backofen, Bldg. 197B, Ext. 2973; Michelle Cummings, Bldg. 459, Ext. 2077; M. Kay Dellimore, Bldg. 185, Ext. 2873; Andrea Epple, Bldg. 750, Ext. 4424; Betty Pergan, Bldg. 179B, Ext. 2937; Rosalie Piccione, Bldg. 355, Ext. 3160; Jean Ramirez, Bldg. 535, Ext. 7064; or Maryann Reynolds, Bldg. 703, Ext. 5241.

Fox Family Bluegrass

They're Off to See the Wizard!

Roger Stoutenburgh

Leaving from Bldg. 130 last Halloween, this quartet took every yellow brick road around BNL searching for the Emerald City. While they didn't find the Wizard of Oz, they did delight everyone they met along the way with their clever costumes and endless enthusiasm.

Shown here disguised as the Scarecrow, the Cowardly Lion, Dorothy and the Tin Man are Donna Storan, Kathy Nasta, Jeanne Danko and Ann Fort, respectively.

Every Halloween since 1987, Nasta, Danko and Fort had collaborated on a costume for three, then taken vacation time to don their disguises to trick and treat their friends around site. After Storan joined their Department of Nuclear Energy group last year, the trio invited her to make it a quartet.

What will they do for an encore this year? Wait till Halloween!

Health Education On Breast Cancer

October is national Breast Cancer Awareness Month, a time to become more aware that one out of nine women will develop breast cancer — the second leading cause of death among American women.

As the causes of breast cancer are not yet established, early detection and treatment are the best approach to reducing breast cancer mortality. Since 75 percent of all breast cancers are discovered by the woman herself, the early detection begins with the regular breast self-examination (BSE), which complements physician exams and mammography.

While about 75 percent of American women are aware of BSE, only 4 out of 10 who know about BSE practice it monthly, as recommended.

To encourage BNL women to take breast cancer detection into their own hands, the Occupational Medicine Clinic in conjunction with its Health Promotion Program has established breast health education.

At any time or during their regular physical examinations, women employees are invited to watch a BSE video, practice the palpation techniques using a breast model and receive a waterproof BSE card to hang in the shower.

For more information or to make an appointment, call Health Promotion Program Director Mary Wood, Ext. 5923.

Archery Club

The Archery Club will host a target meet at 10 a.m., on Saturday, October 26. The cost is $5 per entry, and all BNL employees and their guests are welcome to attend. The club will provide a picnic lunch. Call Robert Litzke, Ext. 5689, if you plan on attending or for further information.

IBEW Meeting

Local 2230, IBEW, will hold its regular monthly meeting on Monday, October 28, at 6 p.m., in the Knights of Columbus Hall, Railroad Avenue, Patchogue. On the agenda will be regular business, committee reports and the president's report.

Arrivals & Departures

Arrivals

Jonathan C. Hock.....AGS
Thomas W. Roza.....Reactor
Mei-Ling Shek-Stefan.....NSLS

Departures

This list includes all employees who have terminated from the Lab, including retirees:

Henrique Von Gersdorff.....Physics

Note to Employees:

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

BNL Art: An Artistic Harvest

Calling all artists from the BNL family: Gather your finest paintings and sculpture, and prepare them as exhibits for BNL's 12th Biennial Fine Art Show — this year entitled "Artistic Harvest."

The show will be held at Berkner Hall, Tuesday to Friday, November 12-15, from 11:30 a.m. to 1:30 p.m. daily, with an evening reception from 5 to 7:30 p.m. on Tuesday. Home-baked refreshments will be offered.

As BERA members, all employees, guests, retirees and their families are invited to contribute fine art work to the show. Artwork done in all media is welcome, and pictures should be framed and ready to hang. Exhibitors may be asked to limit their contributions if space becomes a problem, and the judgment of the BERA Art Committee on acceptable works is final. Crafts should not be submitted as they are shown on alternate years.

For catalog purposes, complete the form below for each work entered and return it to Robert Chrien, Bldg. 510A, by Monday, November 4. Obtain additional forms at the BERA Sales Office in Berkner Hall. Deliver works to Berkner Hall on Friday, November 8, from 2-4 p.m., and pick them up there on November 15, from 2-4 p.m.

Artistic Harvest
Entry Form for 12th Biennial Fine Art Show

Name of Artist_____

Title of Artwork_____

Medium_____

BNL Contact_____Ext_____

Self_____or Relation to BNL Employee_____

Return to Robert Chrien, Bldg. 510A, by November 4.

Cafeteria Menu

Luncheons

Monday, October 28

Soup: Bavarian lentil	.75/.95
Entree: Beef-a-roni w/1 veg.	3.10
Entree: Fish & chips	3.00
Fitness: Chef's choice	3.10
Carvery: Hot pastrami sandwich	2.85
Grill: Italian steak hero	2.85

Tuesday, October 29

Soup: Minestrone	.75/.95
Entree: Chicken cacciatore	3.10
Entree: Italian sausage	2.85
Fitness: Spinach fettucini w/clam sauce	3.10
Grill: Pizza burger w/fries	2.25

Wednesday, October 30

Soup: Maryland corn chowder	.75/.95
Entree: Honey-dipped chicken w/1 veg.	3.10
Entree: Salisbury steak w/mushroom gravy & 1 veg.	3.10
Fitness: Spaghetti w/meat sauce	3.00
Carvery: Baked ham sandwich	2.85
Grill: Franks w/sauerkraut & fries (two)	1.95

Thursday, October 31

Soup: Cream of mushroom	.75/.95
Entree: Veal & peppers over noodles	3.10
Entree: Meatball hero	2.85
Fitness: Spinach quiche w/1 veg.	3.10
Carvery: Hot corned beef sandwich	2.85
Grill: Double cheeseburger w/fries	2.95

Friday, November 1

Soup: Fish chowder	.75/.95
Entree: Catch-of-the-day w/1 veg.	3.10
Entree: Chicken & broccoli casserole w/rice	3.10
Fitness: Make-your-own tacos (each)	.90
Carvery: Hot turkey sandwich	2.85
Grill: Grilled Reuben	2.85

Breakfast Served w/coffee & small juice, 7:30 - 10:30 a.m. 2.65

Mon.: 2 eggs, bacon & pancakes
Tue.: Western omelet, French fries, toast
Wed.: Spanish omelet, home fries, toast
Thu.: 2 eggs, bacon, cheese on croissant, fries
Fri.: French toast, 2 eggs, bacon, home fries

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.

MK 0133. MANAGER, PROJECT COORDINATION - Requires a bachelor's degree in architecture or engineering, substantial experience in the design, construction and management of major projects, demonstrated leadership qualities, knowledge of Laboratory policies and procedures, and excellent oral and written communication skills. Will be responsible for planning and executing major building and utility construction projects, acting as liaison with contract architect/engineering firms, and directing the activities of a group of architects and engineers within the Division. Plant Engineering Division.

MK 0425. ADMINISTRATIVE/BUDGET POSITION (part-time) - Requires a BS in business administration or significant administrative experience. Will assist in cost variance analysis, establishment of standard rates for clinical procedures and isotope sales, proposal preparations, and procurement and commitment review. Must be familiar with PCs and Lotus 1-2-3. Medical Department.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

NS 0646. ENGINEERING POSITION - Requires BSME, a minimum of ten years' working experience and familiarity with NRC and industry safety criteria, codes and standards for application to modifications to DOE reactor facilities. Experience in the preparation of complete modification packages is desirable. Must be able to obtain and maintain a security clearance. Reactor Division.

LF 0989. TECHNICAL POSITION - Requires AAS degree or equivalent with extensive experience in first and second order surveying and precise leveling. Should have experience with optical tooling, electronic data collection and downloading to PC. Knowledge of Wild Soft and use of T-3000 is helpful. Land surveyor's license is desirable. Responsibilities will include establishing control lines and locating experimental equipment at precise elevations. RHIC Project, Accelerator Development Department.

LF 0990. COMPUTING POSITION - Requires BS in computer science and a minimum of two years' computer-programming experience. Must be familiar with 386 or 486-level PCs, as well as with interfaces between electronic equipment and data collection. RHIC Project, Accelerator Development Department.

LF 0993. TECHNICAL POSITION (2 openings) - Requires AAS degree and a minimum of two years' experience running precision theodolites and levels. Electronic data collection skills desired. Computer background and good communication skills a must. RHIC Project, Accelerator Development Department.

Motor Vehicles & Supplies

89 FORD CROWN VICTORIA LX - 4-dr., black, p/w, p/l, cruise, new tires & brakes, bal. 6/60 warr., 48k mi., $8,350. Dan, Ext. 7271.

89 BLAZER K5 - 32k mi., white/gold, loaded, mint cond. in & out, many extras, $13,500 neg. 722-4926 after 6 p.m.

88 PONTIAC GRAND PRIX SE - white, gray leather int., fully loaded, 2.8L, V-6, ext. warr., 33k mi., $10,500. 369-2716.

87 HYUNDAI GLS - 4-dr. h/b, 5-spd., am/fm cass., 60k mi., excel. running cond. Dennis, Ext. 7601 or 698-4823.

86 HONDA 350 MOTOR SCOOTER - needs work, $250; snow plow, $250; comm. slicing machine, $500; Cadet tractor, $400. Ray, 289-0883.

84 TOYOTA CAMRY X2 - 62k mi., ac, cruise, orig. owner, dealer maintained, gar., excel. cond., $3,700. Brenda, 751-0610.

83 BUICK REGAL - white, 6-cyl., a/t, ac, am/fm, 90k mi., mint cond., make offer. Wang, Ext. 2185.

83 FORD ESCORT - a/t, runs well, new parts, $1,300. Mauro, Ext. 4234/2160.

83 PONTIAC 6000 LE - a/t, 6-cyl., fully loaded, moonroof, mint, asking, $3,000. 689-9234.

81 DODGE ARIES - m/t, new tires & batt., high mileage, runs well, $750 neg. Randy, Ext. 5464.

81 OLDSMOBILE - diesel, clean motor, not orig., new injection pump, needs head gasket, asking $450. Fred, 399-6373.

78 FORD FAIRMONT - a/t, new tires & other parts, runs well, needs heater, ask. $400. Milan, Ext. 3733.

78 OLDS 88 - looks good, runs well, $700 or best offer. Ext. 7897 or 331-0807.

78 CHEVY MALIBU - a/t, p/s, p/b, ac, V-8, 5k mi. on rebuilt engine, $450 neg. Joe, Ext. 3569 or 286-9560 after 6 p.m.

76 AMC HORNET - 2-dr., 6-cyl., a/t, good running cond., $200. Ext. 5364 or 736-2969.

76 FORD GRANADA - 90k mi., runs well, $300. Bob, Ext. 5314.

74 CHEVY C-20 PICKUP - ¾-ton, no motor or transmission, broken glass, good for parts, body good, asking $250. 924-8213.

72 VW PANCAKE 1600 MOTOR - 4 tires & wheels. Rich, Ext. 3354 or 589-9103.

68 CHEVY CONVERTIBLE - ac, all power, all orig., clean, 350 Rocket, runs, needs some work, Henck, 281-5412.

67 PONTIAC BONNEVILLE CONVERTIBLE - runs, good for restoration, new top, good int., $1,000 or best offer. John, Ext. 4570 or 751-2655.

67 SHASTA CAMPER - 15', gas stove, sink, refrig., propane tank, sleeps 6, excel. cond., asking $1,500 or best offer. Kathie, 728-3430.

66 PONTIAC CATALINA CONVERTIBLE - 50k orig. mi., $5,800. Roger, Ext. 7518 or 878-8847.

31 CHRYSLER - 2-dr., rumble seat, all original, excel. cond., asking $8,000. Rosalie, Ext. 3160 or 289-5704.

AUTO JACK - for domestic cars, new, $15; one tire, P195/75R14, mounted, $10; one, P185/70R14, Dunlop, $5. Ext. 5080.

TIRES - 4, P215/78R15, 2k mi. on each, w/rims, best offer. Ext. 2715.

NOSE COVERS - late model Corvette 280Z or Datsun 260Z, new, $25 ea. Frank, Ext. 7684.

AT TRACKER TIRE - Goodyear, 31 10 50 R15, new, $45; tow bar, Valley, $65; bike rack, truck mount, $20. Tony, 269-9510.

TIRES - Dunlap radial, 155-SR13, excel. cond., $20; Goodyear radial Wranglers, P235/75R15 w/rims, fair to excel. Joann, Ext. 5671 or 472-6742.

Boats & Marine Supplies

25' CATALINA - 9.9-h.p. Evinrude, electric start w/alternator, roller furling, stove, refrig., compass, DF, new VHF, $8,000. Skip. Ext. 3806.

18' VICTORIA - tilt trailer, 4.5-h.p. Merc., jib, main, Genoa, cruising spinnaker, VHF, DF, K/M, sleeps 2, shoal keel, $3,650. Mike, Ext. 5972 or 744-4579.

18' HOBIE CAT - 1990, white mainsail, red jib, used only 5 times, w/1991 trailer, sacrifice, $4,500. 473-1456.

17' VENTURE SAILBOAT - s/keel, extra Genoa, 6-h.p. motor, dinghy w/elec. motor, extras, sleeps 4, cabin, greatly reduced, Patricia Hein, Ext. 3962.

ICE HEATER - ½-h.p., used one season, still in box, $100. 732-6280 after 4 p.m.

PROPELLER - 13"x19° pitch for 60-65-h.p. engine. 472-4518.

Furnishings & Appliances

COMFORTER ENSEMBLE - queen, pillow, neckroll, valance, drapes w/tiebacks, orig. $375, sell for $85. Darlene, Ext. 2876 or 345-5365.

COUCH - Ethan Allen, 7', excel. cond. 325-0447.

COUCH - full size, excel. cond., best offer. Ext. 2610 or 924-5272.

DINING ROOM - contemp., table w/leaf, 6 chairs, china closet, buffet, 5-light chandelier, $350 firm. Ed Grahn, 4792 or 265-3731.

DINING ROOM - country oak, 48" round pedestal table w/leaf, 6 carved back chairs, hutch, w/etched glass, mint, $1,800. Bonnie, Ext. 2875.

DINING TABLE - small, wood, w/drop leaves, can seat 8, $25. 732-2720.

KITCHEN SET - good cond., $40; stereo cabinet, new formica top, 6' long, $40; cherry rocking chair, new, $35. Ext. 4103 or 689-9234.

MICROWAVE - Emerson, turntable, defrost, 10 power levels, like new, $50; microwave cart, $25; Proctor-Silex toaster oven, $12. Mario, 736-1286.

MATTRESS & BOXSPRING - full size, v.g. cond., $60. Shen, Ext. 3748.

RECORD CABINET - $7; single-size bed, $15. 732-2720.

SOFA - 7', good cond., dusty rose, $150. Lee, 744-5422.

SOFA BED - v.g. cond., moving, $250. Ext. 5324 or 3182 after 7 p.m.

TABLE - solid oak, 42" round w/leaf, good cond., $150. 567-9025 eves.

VACUUMS - Hoover upright, $8; Challenger-Vac, portable, $10; fans, 10", $5; 18", $10; both 2-spd., window/box type. 736-1286.

Tools, House & Garden

CHIMNEY PIPE - 7" I.D., 9" O.D. x 30", insulated, s/s. 475-0509.

EVERGREENS - blue spruce, arborvitaes, globes, 3-5', ready for fall planting. 878-4825.

FIREPLACE - freestanding, globe-shape, burnt orange enameled top, flat black bottom & stove pipe, like new, make offer. 473-7667.

FIREWOOD - seasoned hardwood, split & delivered, $125/cord. Glenn, 924-2035.

JACUZZI - like new, 1 yr. old, $1,800. 395-3109.

STORM DOOR - white, 30", new $50; Salamander propane heater, $65; kerosene heater, 85 Btu, $65. Tony, 269-9510.

STOVE - wood-burning, free-standing, cast-iron, good cond., $40. 732-6280 after 4 p.m.

TRAILER - utility, 6'x4', all steel, 16" tires, leaf springs, hitch for pintle hook. Frank, 758-0423.

WATER PUMP - deep well, tank, Micromet filter assembly, filter & valves, 2 yrs. old, $100/all. Peter, Ext. 4581 or 399-2813.

Sports, Hobbies & Pets

BIKE - boy's, 16", Murray BMX style, good cond., $25. Peter, Ext. 5634 or 751-7935.

EXERCISE BIKE - Huffy, $20. 567-9025 eves.

PING-PONG TABLE - $50. 821-1042.

STATIONARY ROWER - Avita Lifeboat, v.g. cond., $150. Rob, Ext. 5161.

UNIVERSAL WEIGHT STATION - Marcy I, orig. $1,500, asking $1,000. 345-2634 after 5:30 p.m.

VIOLIN - good for student, w/carry case, $70. Ext. 5279 or 549-5802.

Audio, Video & Computer

ALBUMS - rock, jazz, classical, pop, progressive rock, disco, most new, $5/ea. 474-3799 after noon.

STEREO AMPLIFIER - Nikko, 440 watts total, 4 speakers, outputs, $550 firm. 689-8284.

COMPUTER - Commodore 128, keyboard, color monitor, 2 disk drives, computer table, many extras. $375. 744-2493.

COMPUTER - Commodore 64, disk drive, computer table, $200 or best offer; printer, Star SG10X w/interface. $250. Ext. 4660.

MAGAZINES - *Profiles* for Kaypro users, assorted years, 1985-88, $1/ea., or $6/12 issues. Susan, Ext. 7647.

TELEVISIONS - 2, b&w, $25/ea. Ext. 4660.

TV - Magnavox, ac/dc, am/fm, portable, b&w, $25; Olympus Supertrip Camera, 35mm, auto, $40; Sears binoculars, 7X35, $10. Mario, 736-1286.

TV - Multitech, 13", color, portable, $50. Mauro, Ext. 4234 or 2160.

TV - 26" Zenith color console, electronic color tuning, $200, neg. Janet, Ext. 2345 or 929-3910.

Miscellaneous

AIRLINE TICKETS - 2, one way, Islip-Tampa, FL, USAir, Nov. 26. 363-7032.

LEATHER JACKET - white, short, size 7, $25; red down ski jacket, very small, $15. Ext. 2733.

SCHOOL DESK - children's, w/attached seat, $25. Ext. 4660.

Free

DOG - brown/white mix, 1 yr. old, trained, affectionate, all shots. Beth, 286-3851.

KITTEN - black & gray, 9 weeks old, cute. Alana, 475-4947.

Yard & Garage Sales

HOLBROOK - 10/26-27, 9 a.m.-5 p.m., cancel if rain, 47 Nimbus Rd., off Greenbelt Pkwy. 472-3985 for direction.

SOUND BEACH - Sat., 10/26, 9-5, assorted furn., linens, household items, toys, clothes, curtains, wall prints, etc., 72 Pt. Washington Rd. 821-6256.

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

BROOKHAVEN HAMLET - charming 1738 2-bdrm. cottage, hand-hewn beams, 2 baths, fp in d/r, greenhouse, country setting, $1,200/mo. + util & sec. Susan, Ext. 2888 or 286-0422 after 6 p.m.

CENTEREACH - 1-bdrm. apt., priv. ent., sep. thermostat, kitchenette, skylight, large windows, no pets or children, nonsmoker pref., $650/mo. 696-6275.

MILLER PLACE - large 1-bdrm. apt., l/r, d/r, kitchen, bath, new appl., new windows, w/w, sliding door/deck, walk to stores. 744-2493.

RIDGE - furnished studio apt., private, fenced-in yard, 5 min. from Lab., avail. end of Oct. $500/mo. 744-8632.

ROCKY POINT - bdrm. in house w/nice yard, w/d, kit., l/r, 15 min. to Lab, $350/mo. incl. all, month-to-month OK, single/couple. Dave, 821-7179.

ROCKY POINT - new, sunny, 1-bdrm. apt., l/r, kit., full bath, priv. ent., no pets, single preferred, avail. Nov. 1, $550/all. 744-6386, leave message.

SHIRLEY - 2½-rm. apt., employed, mature person, nonsmoker preferred, priv. driveway & ent., quiet surroundings, 10 min. to Lab, 1 block off Wm. Floyd Pkwy, $450/all. 281-6263.

SHIRLEY - room, refrig., microwave, util., $75, 10 min. to Lab, priv. ent. 281-2048.

SHOREHAM - 1-bdrm. apt., full bath, l/r-kit. combo, priv. ent., $600/mo. includes all. 744-0248.

SOUND BEACH - 2-bdrm. contemporary on wooded lot, great rm., cathedral ceilings, renov. kit., d/r, full bath, close to Sound, $775/mo. + util. Erik, Ext. 4603.

WADING RIVER - 3-bdrm. hi-ranch, 2 baths, 2-car gar., 1 acre, wooded property, 10 min. to Lab, appliances incl., country living, move-in cond. Helena Cheng, 689-6980/751-4098.

SINGER ISLAND, FL - 2-bdrm. apt., 2 baths, furn., on ocean, pool, sauna, game rm., 30 min. from W. Palm Beach airport, 1 mo. min. Joyce or Paul, 289-5770 after 6 p.m.

HILTON HEAD, SC - 2-bdrm. condo, sleeps 6, fully furn., 2 baths, tennis, beach, golf nearby, Oct.-Dec., $350/wk. Guy, Ext. 3147 or 689-5378.

For Sale

CENTRAL ISLIP - 2-bdrm. Cape, new bath, l/r w/bay window, eik w/greenhouse window, fam. rm., full bsmt., shed, many improvements, near all. $79,990. Brian, Ext. 7519 or 234-9487.

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.

EAST MARION - 1-acre bldg. lot adjacent to Greenbelt, walk to Sound. 325-0447.

HOLBROOK - 4-bdrm. ranch, l/r, d/r, eik, full unfin. basement, w/w, deck, fenced yard, ¼ acre, $119,900. Ext. 3809 or 588-9019 eves.

MIDDLE ISLAND - Coventry Manor, 3-bdrm. townhouse, 2 baths, kit., l/r, d/r, laundry rm., cac, 5 appl., patio, pool, tennis, clubhouse, ask. $102,000. Rosalie, Ext. 3160 or 289-5704 after 5 p.m.

MT. SINAI NORTH - custom 3-bdrm. ranch, ¾ acre, stove, 2-car gar., 1½ baths, lg l/r, d/r, water view, $276,000. 473-0178.

N. SHOREHAM - 3-bdrm. L-shaped ranch, d/r, sunken l/r, eik, oak floors, fin. bsmt., workroom, 2-car gar., parklike, ½ acre, igs, deeded beach rights, $179,900. Mike, Ext. 5972 or 744-4579.

PORT JEFFERSON STATION - 3-bdrm. ranch, 2-car gar., l/r, d/r, 1½ baths, walk to stores, RR, $179,000. 473-0178.

RIDGE - Leisure Knoll Adult Community, 1 bdrm. duplex, a/c, appl., taxes $1,800, clubhouse, pool, etc., $69,000, immed. occupancy, over 55 only. Ted, Ext. 4589 or 475-8581 eves/wkends.

RIVERHEAD - modular home, adult park, 3 bdrm., 2 baths, eik, laundry, l/r, w/w, cac, 5 min. drive to golf, Indian Island, ask. $46,900. 878-8123 eves.

SHOREHAM - 4-bdrm. Cape, attach. 2-car gar., 2 fp, 1½ baths, d/r, 1-acre treed lot, new appl., extras, estate, must sell. Vi, Ext. 5169 or 744-6043.

SHOREHAM - 3-bdrm. ranch, ½ acre, SWR SD, low taxes, 2 baths, large eik, d/r, l/r, den, lg. storage rm., cac, gas heat, all appl., prof. landscaped, igs, $145,000. Ext 2833 or 744-7172.

SHOREHAM - N25A, SWR schools, 4-bdrm. Col., 2½ baths, 2-car gar., bsmt., encl. porch, fenced ⅓ acre, all large rooms, l/r, d/r, fam. rm., eik, 10 min. to Lab, $165,000. 744-0960.

SOUND BEACH - 3-bdrm. ranch, 2 baths, l/r, eik, d/r, gar., cedar deck, agp, fenced yard, rental income, Miller Place Schools, $130,000. 821-1271.

SPEONK/WESTHAMPTON - 2-bdrm. 1987 mobile home, l/r w/bay window, eik, shed, fam. park, w/d, $38,000. Dave, Ext. 5460.

Wanted

BOAT TRAILER - used, cheap, to move 16' light sailboat on property, not for road use. Ext. 3593.

GOLF CLUBS - right-handed, std. length, for use by beginner at adult education training course. I. Brown, Ext. 2827.

HOUSEMATE - to share waterfront house in Center Moriches, $433/mo. + util., priv. bed & bath, share kit., l/r. Gail, Ext. 3429 or 878-4130.

HOUSEMATE - to share house, bdrm., kit., laundry, cable & all util., Patchogue area. 752-0294 after 3 p.m.

MICROWAVE OVEN - for student, reasonable. Walter, Ext. 4986.

PEOPLE FOR "MINHA MINYAN" - to say Kaddish at lunchtime. Lev, Ext. 2100.

PUMP - shallow well w/tank & filter for home system. Bill, 878-6016.

WHEELCHAIR - w/adjustable leg support. Joe, Ext. 2898 or pager 0925.

In Appreciation

I wish to acknowledge the great support I received from friends at BNL on the death of my wife Edith. I also would like to thank those who generously gave to the scholarship fund started in her memory. —Eric Forsyth

A Special Plea

Just over a year ago, the Bulletin ran a special plea for blood donors for Alisha Beth Sussman, who has leukemia and was about to turn six years old. The response was wonderful, and Alisha, the daughter of Mitchell Sussman of the Safety & Environmental Protection Division, has just celebrated her seventh birthday — in remission.

While blood is not now a pressing concern for Alisha, her year and a half of medical treatments have taken their toll on the family's finances. With another year and a half of maintenance chemotherapy scheduled, it will not be easy for the Sussmans to stay abreast of the bills. To make a contribution or find out about special fund-raising efforts, please contact Barbara Cox, Ext. 3381, Bldg. 129B.

Classified Ad deadline is 4:30 p.m. Friday for publication Friday of the next week.