BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

Mort Rosen

George Rabinowitz (left) and Arnold Peskin look at the equipment that forms BNL's central hookup with NYSERNet.

Onset of NYSERNet on Site

Any Victorian child, steeped in fairy tales, took for granted that behind the locked door in a turreted castle would lurk a powerful force mysteriously linked to worlds far beyond the normal horizon.

So any Victorian child on a visit to Bldg. 515 would feel at home. For deep in the Applied Mathematics Department (AMD), despite its real-life atmosphere and lack of turrets, a clear locked door guards a sleek array of equipment. By means of a slender cable, this equipment connects its users with incredible speed to an intricate network of information spread over state and continent.

In other words, NYSERNet is on line at Brookhaven.

An acronym for the New York State Education Research Network, NYSERNet is a statewide computer network linking BNL, 14 universities and several industrial laboratories.

Part of the initial impetus for the project was to give each of these centers direct access to the multimillion dollar supercomputer complex funded by the National Science Foundation (NSF) at Cornell University's Center for Theory and Simulation in Science and Engineering. In turn, the Cornell supercomputer is linked with four other NSF-funded supercomputers across the country, in California, Illinois, New Jersey and Pennsylvania.

The immediate result of NYSERNet is to permit users access to electronic communication at 56,000 bits per second (bps), though eventually, this will reach 1.5 million bps, a speed at which the entire contents of the *Encyclopaedia Brittanica* could be transmitted in five minutes.

As a result, a researcher has the prospect of unprecedented computing power — an office terminal that is tied in to mainframe computers capable of from 30 to 40 million calculations per second can now draw on the supercomputer achieving over 200 million calculations per second.

With NYSERNet, information travels over main trunk lines, which are connected by complex switches at each center, or local network. A local network — such as the one at BNL —can consist of a wide spectrum of systems. At BNL, for example, possible hookups to NYSERNet range from AMD's IBM 3090 computer to terminals at individual work stations.

The NYSERNet system was designed, installed and is being managed by New York Telephone and Rochester Telephone. Said George Rabinowitz, leader of the Networking Group of AMD, "It's happened with astonishing speed. BNL was one of the first to come on line. That was about eight weeks ago. But the others should all be active within about a month. It's rare for such a complex proposal to be carried out so quickly."

Funding for NYSERNet, including hookup at BNL, came from the National Science Foundation, New York State, New York Telephone and Rochester Telephone. The project has immediate, direct advantages to each sponsor. There are jobs and technical advancement for the phone companies; easier and swifter communication for the state and business community; greatly widened research and consultation possibilities for scientists.

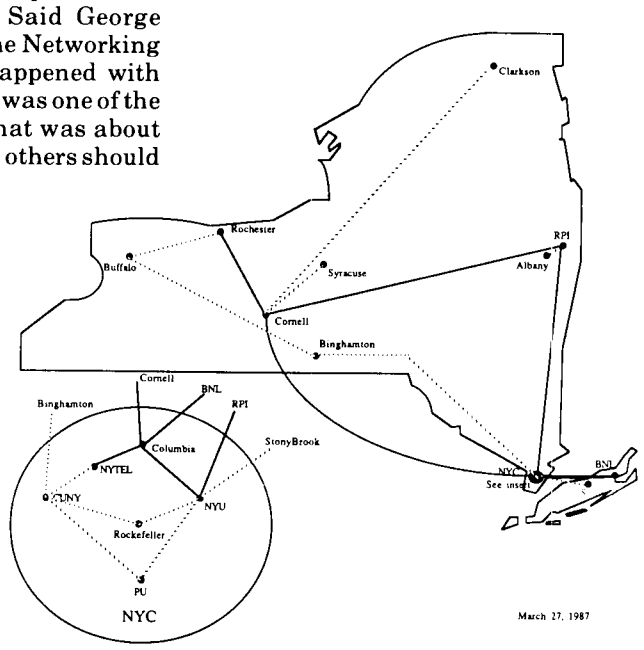
One advanced technological feat that NYSERNet expects will become an everyday event is teleconferencing, whereby business meetings could be attended from different places, each group of participants seeing the "absent" members of the group on a screen. The same process would enable medical diagnoses to be made at distant hospital centers.

For the present, BNL users with the appropriate software are able to log on to a remote computer right from their offices. They gain access to immense data collections and calculation potential, a considerable convenience for many research projects. It is also a simple matter to send whole files to another center for consultation. Another capability of the network is electronic mail, which can be addressed to as many users as the sender requires.

And all this is available through the new array of equipment in AMD, property of New York Telephone, which is locked behind the clear door for security purposes.

"In fact," said Arnold Peskin, head of AMD's Networking, Engineering and Telecommunications Division, and BNL's representative on the NYSERNet Board, "many of the things we can do with it could be done by other methods — but so much more slowly. The speed of NYSERNet sets it apart as a valuable research facility. Soon we'll wonder how we did without it." — Liz Seubert

Note: For further information about NYSERNet usage at the Lab, please contact Arnold Peskin, Ext. 4161.



Anatomy of NYSERNet. Solid lines link local networks that were already hooked up by March 27. Work is expected to be completed on all the others within about a month.

First Gamma Rays Seen At LEGS Beam Line

The first beam of gamma rays was seen at the Laser Electron Gamma Source (LEGS) at beam line X5 of the x-ray ring of the National Synchrotron Light Source (NSLS), on Thursday, May 21, at 10:35 a.m.

This is the first milestone in establishing LEGS as a medium energy, nuclear physics facility providing intense monochromatic and polarized gamma rays with energies up to 500 million electron volts (MeV). There is no other source of these gamma rays in the world.

The beam at present has a continuous spectrum of gamma rays up to 300 MeV, while the x-ray ring is running at low current for studies during a scheduled shutdown. The LEGS beam is produced by Compton backscattering of ultraviolet laser light from the electrons circulating in x-ray ring.

According to Physicist Andrew Sandorfi, the rate of gamma ray production by backscattering is consistent with what was predicted. To define the beam's energy, Sandorfi and his colleagues tagged electrons, which give up their energy in making gamma rays. Then by selecting the desired energy, the LEGS beam can be made monochromatic, or of one wavelength.

In addition to Sandorfi, David Dowell, Franco Giordano, Ottmar Kistner, Giovanni Matone and Craig Thorn are physicists on the LEGS project. They are assisted by Frederick Franz, Pierrick Hanlet, Aron Korostyshevsky and Anthony Kuczewski.

When LEGS begins operating in 1988, the first experiment planned at the X5 beam line is the measurement of the photodisintegration of deuterium, the lightest composite nucleus, using a polarized beam.

Reviewing Technical Support For IAEA Safeguards

You start it off at the keyboard — but after that, it's just by a touch on the screen that you choose exactly which video information will be displayed next on this new, extremely user-friendly learning tool. Enthusiastically received by the Department of Energy (DOE), the equipment is being demonstrated here by Jerry Cadwell (second, from left) of the Technical Support Organization in BNL's Department of Nuclear Energy, who had it developed at DOE's request.

The demonstration was held during the U.S./IAEA (International Atomic Energy Agency) Semi-Annual Review of Technical Support for IAEA Safeguards, held at Berkner Hall, May 18-21. Assessing the equipment's potential are Vienna-based members of the IAEA who attended the review. Pictured are (from left) Leslie Thorne, Cadwell, Juliette Watstein, Dmitry Tolchenkov, David Rundquist, Hiroyoshi Kurihara, Raymond Parsick and John McManus. Staff from the four agencies — State Department, DOE, Nuclear Regulatory Commission, and Arms Control and Disarmament Agency — forming the Technical Support Coordinating Committee in Washington, D.C., along with BNL's International Safeguards Project Office, represented the United States government at the review.

Mort Rosen

Camp Upton Leftover

Building 906, the structure on the northeast corner of Cornell Avenue and Pennsylvania Street that houses the PETT VI, is getting a new addition. But work on that addition came to a temporary halt on Tuesday afternoon when one construction worker unearthed what turned out to be a training grenade used to instruct Camp Upton soldiers during World War II.

Though the training grenade was totally inoperative and perfectly safe, it looked and felt like the genuine article. So as soon as it was found, construction was stopped and the BNL Police Group was notified. In turn, BNL's police contacted the Suffolk County Police bomb squad. Cornell Avenue was cordoned off during the 30 minutes the bomb squad needed to confirm that the grenade was a training tool.

Finding such artifacts of the Lab's days as Camp Upton is not an uncommon occurrence and, so far, all such finds have turned out to be safe ones. Still, Gerald Kinne, Assistant Director for Reactor, Safety and Security, warns not to take anything for granted. Any potentially hazardous find should be reported to the Police Group immediately.

Partners in Progress

Department of Energy (DOE) contractors will reconfirm their commitment to the concept of equal employment opportunity (EEO) at a conference on June 10-12, to be hosted by BNL's Affirmative Action Office. "Partners in Progress" is the theme of the 1987 DOE/EEO Contractors Conference, which some 80 participants are expected to attend.

The conference, which will be held at the Sheraton Smithtown Hotel, will begin at 9 a.m. on Wednesday, June 10, with an introduction by Earl Blanton, BNL's Assistant to the Director for Affirmative Action, and a welcome from BNL Director Nicholas Samios. The morning will include talks and discussions about "Current Trends — An Update" and "American Indians in Science and Technology." These will be followed by a luncheon at which Rosalie Gaull Silberman, Vice Chairman of the EEO Commission, will be the keynote speaker. Afternoon workshops on "Wrongful Discharge" and "AIDS in the Workplace," will be followed by a buffet supper.

On Thursday, following morning panels on "Community Outreach Programs" and "Drugs in the Workplace," conference attendees will come to BNL for a Lab tour. In the evening they will enjoy a dinner cruise on the Great South Bay. "Legal Issues" will be discussed at the concluding session on Friday morning.

Registration fees for BNL employees are: luncheons, $15 each; buffet dinner, $10; dinner cruise, $50. To register for all or part of the conference activities, or for more information, contact Frances Ligon, Ext. 3709.

Farmers' Market Opens Next Week

The Wednesday Farmers' Market at BNL will begin its sixth season on June 3. Farmers will truck their fruits, vegetables and floral products to the same spot as in previous years — north of the tennis courts in the parking lot along Brookhaven Avenue. The market, which is not open to the general public, will be held on site every Wednesday through November 25, from 11:30 a.m. to 1:30 p.m.

For Iron-Rich Blood

At last December's BNL blood drive, many would-be blood donors were surprised that iron deficiency prevented their blood from being acceptable. So, if you'd like to give blood at BNL's summer blood drive, June 23-25, now is the time to start upgrading your iron intake.

Even if you don't plan to give blood, it is worth making sure your blood does not lack iron because of your diet. Records show that many American women are likely to have some degree of iron deficiency. Dieters are also vulnerable, as weight-loss diets are often low in iron. Well-balanced diets of about 1,800 calories should meet most needs, but some foods are richer in iron than others.

To absorb more of the iron in your foods, take a source of vitamin C along with them. The following foods contain varying amounts of extra iron: lean beef, dark turkey, pork chops, veal cutlet, calves' liver; lima beans, baked beans, black-eyed peas, split peas, asparagus, lettuce, lentils, spinach, swiss chard, canned vegetables; raisins, dried figs, fresh prunes; clams, canned oysters, steamed scallops, canned sardines (with bones); cashews, sunflower seeds and walnuts.

Losers & Quitters

At BNL, there are 35 losers and 22 quitters. The losers are those who have reached their goal weight through the on-site Weight Watchers program; the quitters are those who have stopped smoking as a result of the American Lung Association's Smoking Cessation Workshops held on site.

Several of these successful people have suggested that support groups should be formed so that they can continue to encourage each other. To find out if there is enough interest in such groups, Health Promotion Specialist Elaine Friedman has organized a meeting for Tuesday, June 2, at noon in Berkner Hall. All losers and quitters —including those employees and family members who have lost weight or quit smoking outside of the on-site programs — are welcome to attend. If you cannot attend this organizational meeting, but would like to participate in a support group, send your name, Lab address and extension to Friedman, Bldg. 490, by June 2.

PSI News

The Upton Chapter of Professional Secretaries International (PSI) will celebrate its fifth anniversary with an Installation Dinner on Monday, June 15. The guest speaker will be Certified Professional Secretary Carolyn S. Hayes, Past International President of PSI. She will address the question, "What Makes You Think You Are a Professional?"

The 7 p.m. Installation Dinner at the Island Squire Restaurant in Middle Island will be preceded by a cash bar at 6 p.m. Tickets are $17 each, and the ticket deadline is June 8. For more information, contact Deidre Seymore, Ext. 5037, or Patricia Towey, Ext. 3445.

Payroll Note

Employees are reminded that, by filing new forms W-4 or W-4A before their next pay periods, they can avoid the possibility of paying penalties for underwithholding on their wage incomes.

Register for Dowling's On-Site Fall Courses

Four courses are being offered on site by Dowling College for the Fall 1987 semester. Registration for these courses will be held on June 15, 17, 23 and 25, at Berkner Hall, from 11:30 a.m. until 2 p.m. The four courses are:

ENG 041 — American Literature 1
BUS 111 — Managerial Economics
BUS 108 — Labor Relations
PSY 015 — Developmental Psychology

A counselor will be available on the registration dates to process registration forms and answer questions about Dowling's program offerings.

Shopping Spree

Brookhaven Women in Science (WIS) is sponsoring a trip to several factory outlets in Reading, Pennsylvania. The spring shopping spree will take place on Saturday, June 20, and the cost of $16.00 per person includes round trip transportation from BNL to Reading. The bus will leave from BNL at 5:30 a.m. and return here at 9 p.m. The deadline for reservations is June 1. For more information or to sign up, contact Mary Ann Castrogivanni, Ext. 3898, Bldg. 535A.

Arrivals & Departures

Arrivals

Vincent Stanziani ..... Accel. Dev.
Neville W. Williams ..... AGS

Departures

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

Thomas A. Belz ..... Central Shops
Phyllis L. Strahm ..... P&GA

BNL's Fabulous Forty

The BNL we know today is the sum of thousands of events that have taken place here since 1947. This sampling shows the variety of events — from the monumental to the minor — that have occurred during the month of May, throughout the Lab's 40 year history.

May 1947 — Personnel assignments (about 25) in the Accelerator Project were divided among four machines then being considered: a 60-inch cyclotron, a 240-inch synchro-cyclotron, a Van de Graaff electrostatic generator and a proton-synchrotron.

May 1, 1948 — Preparations were completed for high altitude flights later in May, for a Physics Department study of primary cosmic rays by means of balloon-borne cloud chambers.

May 4, 1950 — the Hospital of the Medical Research Center was featured in a live, on-location, half-hour television show on NBC.

May 5, 1951 — Approximately 1,000 people saw the recently completed magnet of the new Cosmotron, a highlight of BNL's Visitors' Day.

May 20, 1952 — During Cosmotron commissioning, beam energy was increased to 1.3 billion electron volts (BeV), the first time that 1 BeV was exceeded in the laboratory.

May 1, 1953 — BNL's scientific staff, including full-time visitors, totaled 299.

May 7, 1956 — Seen in the Bulletin Board's classified ads: 2-year-old, 3 bedroom ranch, Bellport, $16,400.

May 14, 1957 — Bridge, poker, canasta, pinochle, chess and checkers were among the games to be played at the Laboratory Residents Association Spring Card Party.

May 26 & 27, 1958 — BNL hosted 70 participants at a Conference on Bubble Chamber Scanning & Data Handling Devices.

May 17, 1960 — Beam was first introduced into the ring of the new Alternating Gradient Synchrotron (AGS); by May 26, the beam had been circulated through 100 turns.

May 13, 1963 — BERA Bridge Club members Les Lawrence and Sanford Wagner won a trip to Paris for taking first place in the National Industrial Recreation Association Bridge Tournament.

May 10, 1965 — AUI announced the winners of the AUI Trustee Scholarships, a newly established program. Ten children of BNL employees became eligible to receive $900 a year, for up to four years.

May 17, 1966 — The Chemistry Department hosted an open house. The staff was about 90% moved into its new building, 555.

May 25, 1967 — The Bulletin Board reported that the Brookhaven Laboratory Auto, Sport and Touring Club, otherwise known as BLAST, was ready to start another season of rallies and time trials.

May 7, 1968 — Dramatic and encouraging results of the L-Dopa treatment of Parkinson's disease were announced by a BNL Medical Department team under George Cotzias, at a meeting of the American Association of Physicians.

May 22, 1969 — The Bulletin Board reported that disassembly of the Cosmotron was almost completed.

May 27, 1970 — The Bulletin announced that BERA had approved a request to sponsor the newly organized Mixed Softball Program.

May 25, 1973 — The AGS proton beam intensity reached a record level in excess of 9×10^{12} protons per pulse (p/p). (For comparison, the AGS began operation in 1960 at 3×10^{11} p/p; today, intensity has reached as high as 1.89×10^{13} p/p.)

May 16, 1974 — The Physics Department's New Group celebrated the new operational status of the Flying Image Digitizer (FID), a device for reading films taken in bubble chambers.

May 16-22, 1976 — About 35,000 people attended an Energy Fair and weekend open house held at BNL.

May 17, 1977 — The Power Transmission Project reached its first milestone when its refrigeration system was cooled to 7 kelvins.

May 18, 1979 — The Bulletin reported that the Alternate Liquid Fuel system, developed by BNL's Joe Rose, had saved the Lab $1,430,000 in fuel costs since it went into operation in May 1977. (Now, savings are in excess of $7 million.)

May 11, 1981 — The first organizational meeting of the Afro-American Culture Club was held. The BERA club was formed to promote Afro-American cultural awareness, encourage intercultural exchange and help achieve a positive multi-ethnic work environment.

May 29, 1981 — The establishment of the Employee Assistance Program was announced in the Bulletin.

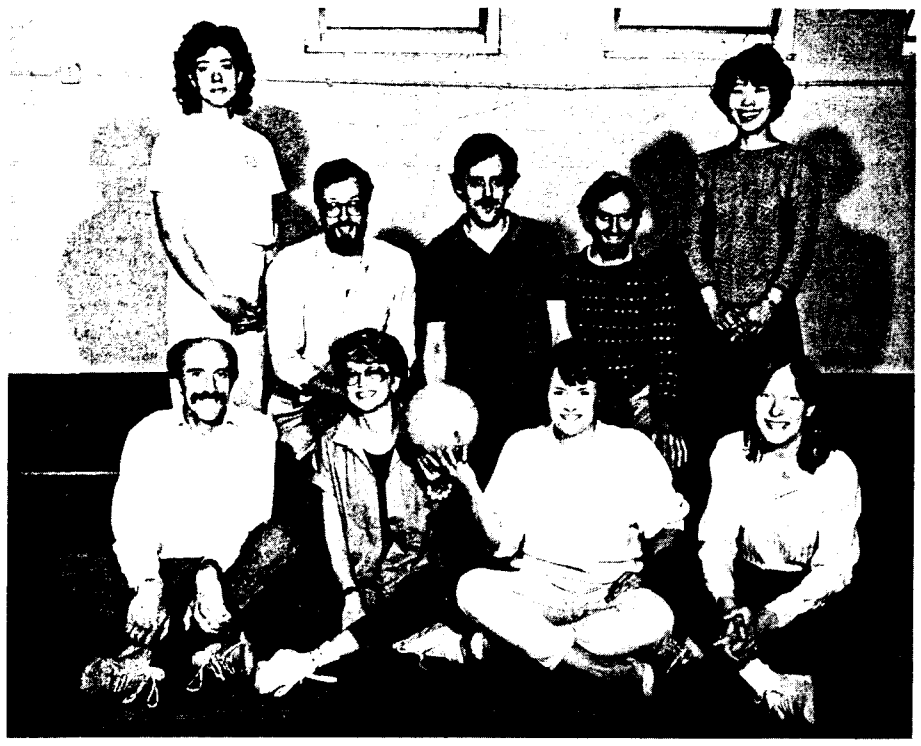
May 1, 1982 — Nicholas Samios became BNL Director.

May 6, 1982 — The first beam of visible light emanated from port U14 of the vacuum ultraviolet ring of the National Synchrotron Light Source.

May 20, 1983 — The Bulletin announced that Marilyn Gibbons was the first person to receive an award under the Employee Suggestion System.

May 21, 1985 — The Danish House was dedicated at BNL.

May 19, 1986 — An important milestone was reached for the Tandem/AGS Heavy Ion Project when an oxygen beam from the Tandem Van de Graaff Accelerator was captured in the AGS ring.



League III's championship team was the Sourcerers. Shown here are: (front, from left) Gwyn Williams, Kathy Griffin, Carrie Grimshaw, Nancy Lazarz, (back, from left) Karen Archer, Erik Johnson, Mike Sagurton (captain), Alistair MacDowell and Reiko Hashizume. Not pictured: Sharon Zuhoski.

Top honors in League II went to the Cannonballs. On the team are: (bottom, from left) Kim Holschuh, Richard Garrett (captain), Nancy Lazarz, (center, from left) Eric Kneedler, Karen Archer, Steve Hulbert, (top, from left) Jean Jordan and John Dubendorff. Not pictured: Debbie Spikes.

Volleyball Champs

—photos by Peter Horton

Phoenix, which came in first in the Open League, includes: (front, from left) Jim Roberts, John Usher, (back, from left) Sandi Litcher and Don Litcher. Not pictured: Bob Casey, Rich Davis, John Millener and Dennis Weygand (captain).

Upfagrabs was the winning team in League I. The team includes: (front, from left) Ron Webster, Barry Karlin (captain), Antoinette Russo, Jay Adams, (back, from left) Rong Li, Walt Reams, Jean Spears and Bill Kropp. Not pictured: Elke Braüer, Sandy Lane.

Tennis

Court Reservations

Two tennis court reservation systems will go into effect on Monday, June 8, (with sign-up on Friday, June 5). The rules for court use are posted at courtside and in the BERA Sales Office, Berkner Hall.

Under the **advance reservation system** (A), three of the courts may be reserved for weekday play the day before play (thus Friday for Monday play). If two players are not on court within ten minutes of the reserved time, the court reservation is forfeited.

The **on-court scheduling system** (B) offers the three remaining courts on a first-come, first-served basis to players who sign the blackboard at courtside at the time of play.

Reservation sheets for system A are held at the BERA Sales Office from noon to 1 p.m. on the day preceding play. Reservation sheets for the day's play will be posted at courtside in the morning, where players may reserve any courts that remain open. Only group 1 from the priority players list below may use system A. Only groups 1 and 2 may use system B:

1. Laboratory employees (including Visiting and Guest appointees and BNL retirees).
2. Laboratory employees playing with family members or personal guests.
3. Immediate family members of Laboratory employees.
4. Personal guests of Laboratory employees.

Annual Tournament

The tournament will get under way on Saturday, July 18, and players can sign up at the BERA Sales Office beginning June 22. Further details will be given in a later issue of the Bulletin. All players are reminded that tournament play takes precedence the weekends of July 18 and July 25.

Tennis Ladder

There will be no ladder play this year as a result of limited participation last year.

Tennis Committee

Tennis Committee members are Nick Combatti, Eena-Mai Franz, Frank Kito, Marilyn McKeown, Ken Perkins, Niels Schumburg, Steve Shapiro, Paul Valli and Gail Williams (Chair).

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AACC Dinner Dance

The Afro-American Culture Club will hold its annual Installation/ Dwight C. Brown Memorial Scholarship Award Dinner Dance on Saturday, June 6. The affair will be held in the Brookhaven Center from 7:30 p.m. to 2 a.m. The ticket price of $25 includes a cocktail hour from 7:30 to 8:30, dinner, and music by The Mechanics. For ticket information, call Rosa Palmore, Ext. 2064, Bruce Penn, Ext. 7213, or Fran Ligon, Ext. 3709.

Microcomputer Club

A demonstration of the Polaroid Palette, an inexpensive color slide/ print device for the IBM PC, will be given Thursday, June 4. The meeting will be in the Biology Department library, Bldg. 463, from noon to 1 p.m. and will be presented by Computer Graphic Technologies.

Bowling

The Bowling Awards Party will be held Friday, June 12, at 5:15 at the Brookhaven Center. Tickets can be obtained from Maria Apelskog, Ext. 3138.

Hospitality News

The next Hospitality Committee get-together will be on Tuesday, June 2, at 9:30 a.m. We will meet at the Brookhaven Center. However, we will leave the Center at 10 a.m. sharp and carpool to Berkner Hall. There, we will be joined by a member of the Public Affairs Office who will take us on a tour of the BNL Exhibit Center.

Please come and enjoy the morning with us. Spouses of Laboratory employees and guests are welcome. Bring the children; babysitting will be provided free of charge. Coffee, tea and danish will beserved.

Golf

The third tournament of the BGA season will be held on Wednesday, June 10, at the Swan Lake Golf Club in Manorville. Tee times will begin at 11 a.m. and may be obtained by contacting John Connelly, Ext. 4639, Bldg. 452.

Entry fees are $1 for BGA members, $2 for non-members. Deadline for signing up for the tournament is noon on Monday, June 8. Greens fees are $11.

Sixth-eight people played in the tournament at Timber Point. Low gross winners in flights A to E were Doug Sweely (81), Artie Dick (87), Bob Meier and Bill Sampson (96), Chang Park and Bob Sabatini (100), and See-Meng Wong (103). Winners for low net by flight were Dick Hildenbrand (72), Joe Bauernfeind (68), Jim Desmond (75), Joe Carbonaro (69), and Dennis Malloy (69). Tony Baltz and Dick Hildenbrand had the closest-to-pin shots. Doug Sweely and Mike Losquadro won the longest drive contests.

All film badges will be changed tomorrow. Please place your badge in its assigned rack space before leaving work today.

At the BERA Store

Catch it on film! Most of us would like to have a filmed record of a wedding, graduation, birthday, anniversary or any other big event that may be coming up within the next few weeks. Keep in mind that The BERA Store, located off the lobby in Berkner Hall, is there to take care of all your film processing needs. As a special spring offer, Union Photo Company will give as a gift one free 5×7 enlargement with every roll of film brought in to be processed.

In addition, at the store you can buy merchandise from film to greeting cards; pick up "freebies," such as two-fers for some Broadway shows; buy tickets to such diversions as Great Adventure ($14 each), pick up handouts and information on discount programs; and redeem BERA Participation Awards.

Louisa Barone is at the store to help you and to answer any questions between 9 a.m. and 2 p.m., Monday through Friday. Call her on Ext. 3347.

Service Awards

The following employees received service awards during the month of May:

Thirty-Five Years

Robert J. Isler ..... Reactor
Robert E. Wayte ..... Reactor

Thirty Years

Arnold V. Feltman ..... AGS
Jacob Pruzansky ..... DAS

Twenty-Five Years

Richard D. Baulch Jr. ..... S&SD
Jean C. Byrne ..... Staff Services
Robert Carciello ..... Chemistry
Robert A. Larson ..... Light Source
Stanley W. Mars ..... Sup. & Mat'l
Eleanor M. Mitchell ..... DNE
James R. Nelson ..... Reactor
Robert C. Terwilliger Jr. ..... PE
T. Laurence Trueman ..... Physics
Dudley K. Vail ..... AGS

Twenty Years

Herman C. Bartalomy ..... AGS
William J. Brynda ..... Reactor
Patricia F. Fox ..... DAS
Richard McCluskey ..... Accel. Dev.
Donald J. Robbins ..... Budget
Paul J. Sparrow ..... AGS

Ten Years

Joan C. Depken ..... AGS
Richard A. Dietz ..... PE
Etsuko Fujita ..... Chemistry
Steven T. Kenyon ..... S&EP
Roger J. McDonald ..... DAS
Joseph P. Nolan ..... Staff Services
Rolf Rathjens ..... Central Shops
Thomas H. Snowden ..... PE
Janet Tempel ..... Public Affairs

Cafeteria Menu

Week of June 1

Monday, June 1

Cream of mushroom soup	(cup)	.75
	(bowl)	.95
Veal cordon bleu w/1 veg.		2.85
Seafood quiche w/1 veg. (lite-weight)		2.85
Hot deli: Meat loaf sandwich on bread		2.45

Tuesday, June 2

Beef barley soup	(cup)	.75
	(bowl)	.95
Turkey & dressing w/1 veg.		2.85
Pizza by the slice w/meatball & pepper topping		1.00/slice
Hot vegetable plate (lite-weight)		2.20
Hot deli: Roast beef	(bread)	2.45
	(roll)	2.55
	(hero)	2.65

Wednesday, June 3

Split pea soup	(cup)	.75
	(bowl)	.95
Egg plant Parmesan w/1 veg.		2.85
Chicken finger basket		2.75
Hot deli: Corned beef	(bread)	2.45
	(roll)	2.55
	(hero)	2.65

Thursday, June 4

Beef noodle soup	(cup)	.75
	(bowl)	.95
Chicken Kiev w/rice pilaf		2.95
New England boiled dinner (lite-weight)		2.75
Hot deli: Fresh ham	(bread)	2.45
	(roll)	2.55
	(hero)	2.65

Friday, June 5

New England seafood chowder	(cup)	.75
	(bowl)	.95
Ravioli Parmesan w/French bread		2.85
Broiled fish w/1 veg. (lite-weight)		2.95
Hot deli: Pastrami	(bread)	2.45
	(roll)	2.55
	(hero)	2.65

Classified Advertisements

Autos & Auto Supplies

83 YAMAHA VIRAGO - 750cc, black, mint cond., garaged, asking $2,000. neg. Charles, Ext. 7749.

78 YAMAHA XS400 - 14k mi., good cond., garaged, inspected, $500. 473-9223 after 5 p.m.

79 MALIBU - a/t, p/s, $650. Ext. 5202 (a.m.) or 744-3690 eves.

79 FIAT SPIDER - convertible, 49k mi., body & engine excel. cond., mag wheels, $2,750. Torsten, Ext. 3817 or 878-1210.

81 SUZUKI GS250T - 8-valve, 2 cyl., additional counter-balanced shaft for smooth performance, low mi., excel. cond., plus extras, $490. 929-8287.

79 FORD FIESTA - good body, engine needs work, runs, $300. Ext. 7894 or 331-5509.

73 MERCEDES BENZ 280 - Ext. 4099 or 689-9214.

82 TOYOTA TERCEL SEDAN - 4 dr., silver, 42k mi., excel. cond., must sell, $2,500. Max, Ext. 5094 or 928-6041.

AXLE - for utility trailer, 56" width, from Honda Civic wagon, $30. Gary, ext. 7518.

69 CAMARO - convertible, 327, needs body work, p/s, p/b, a/t, asking, $2,000. 589-8290.

79 HONDA CIVIC - 4 spd., 80k mi., runs well, new exhaust & brakes, must sell, $800. Ext. 3890.

77 MONTE CARLO - white landau, p/b, p/s, power locks, cruise, runs well, 95k mi., $1,500. 589-8290.

75 SCOUT II XLC - 4x4, V8, a/t, p/s, p/b, new rims, good tires, roll bar, $1,400. Bill, Ext. 4688 or 724-3065.

84 VOLVO GL - 4 dr. sedan, a/t, a/c, full power, cruise, sunroof, mag wheels, Alpine 4-speaker hi-fi system, excel. cond., $10,250. 473-8387.

78 PINTO - body damaged, runs, $200. Dick, Ext. 7185.

86 BLAZER - 4x4, every factory option, mint cond., asking $12,500. 878-1640.

84 CADILLAC FLEETWOOD - loaded, low mi., 4 dr., $13,500. neg. Ext. 2021.

75 SPRINT VENTURA - red, 2 dr., very dependable, good body, $500. Terry, 727-6369 after 5:30 p.m.

85 DODGE RAM - ½-ton, 4 WD, low mi., $8,000. neg. 475-0751.

81 CHEVETTE - all-weather radials, am/fm cass., new clutch, brakes, muffler, starter, $1,200. Ext. 5288 or 878-8177.

82 HONDA CIVIC - 2 dr. sedan, excel. cond., metallic brown, $4,500. Ext. 3699 or 286-2493.

TIRES/WHEELS - (4), 14", for Chevy S-10, used, $40; (4) trim rings/hubs for 15" Camaro rally wheels, used, $40. Ext. 4994 or 751-0538.

81 MUSTANG - metallic blue, 4 cyl., 4 spd., 4 dr., htchbk., am/fm cass., new tires, 99k mi., good cond., orig. owner, $1,200. Bill, Ext. 3199.

83 MAZDA RX7-GSL - red w/cloth inter., loaded, am/fm cass., a/c, 59k mi., orig. owner, excel. cond., 473-5123 after 7:30 p.m., week nights.

73 PONTIAC LeMANS - 2 dr., a/t, p/s, p/b, am/fm cass., $495. Fred, Ext. 3259 or 473-8622.

24' TRAVEL TRAILER - sleeps 6, self-contained, stereo, new refrig., excel. cond., powered by batt. prop., or elec., $3,950. 744-5069.

80 DATSUN 200 SX - California 4 cyl., 5 spd., am/fm stereo cass., sunroof, $1,800; 78 Chevy Van, 6 cyl., 30k mi., $1,900. Ext. 7148 or 588-9452.

75 MERCURY BOBCAT - low mi., $600. 399-4897 after 6 p.m.

79 VOLVO - 244 DL, new paint, brakes, exhaust, 87k mi., $4,000 neg. Frank, Ext. 2022 or 732-5950.

82 CHEVY CITATION - 4 dr., hatchback, auto, p/s, am/fm, runs very well, good int./ext., 67k mi., $2,900. 286-3211.

75 VW BUG - yellow, good running cond., good transportation, $575. Fred, Ext. 7947 or Brian, 399-6333.

77 CHEVY PICKUP - new trans., stand-up/sleep-in cap, $900 w/o cap, $1,200 w/cap. 929-8753.

81 DATSUN 210 WAGON - very reliable, orig. owner, $900. 472-1479.

79 T-BIRD - a/t, 2 dr., black, good cond., $2,000; 86 Hyundai, 4 spd., 12k mi., silver, am/fm 8-track, 33 mpg. Jerry, Ext. 7427 or 475-4491 after 5 p.m.

79 CORVETTE - good cond., $8,000. Chris, 661-3398 or 661-2400.

83 HONDA CB1100F - red, white & blue, Super-sport, limited ed., very good cond., many extras, new tires, $2,200. 298-4148 eves.

86 GMC PICKUP - loaded, 16k mi., hi-rise cap, running boards, must sell, $11,000. Bert, Ext. 2050.

83 VOLVO TURBO - low mi., new tires, a/c, excel. cond., $9,500. 878-0659 eves.

72 OLDS DELTA 88 ROYALE - 2 dr., p/s, p/b, excel. running cond. 941-4328.

KAWASAKI 650 - rarely used, garaged, very good cond., all orig. 473-9357 after 6 p.m.

76 DATSUN B-210 - auto, a/c, rebuilt engine, $250. Al, Ext. 4636 or 231-4613 after 5 p.m.

73 VOLVO - 144, 4 dr., 4 cyl., 4 spd., fuel inject., repair manual incl., $300. Ext. 2366.

83 YAMAHA DIRT BIKE - PW80K 80cc, never raced, excel. cond., $550. Rich, Ext. 5284 or 924-4237.

77 ELDORADO - new tires & exhaust system, am/fm stereo w/tape, good cond., must sell. Ext. 7732.

87 FORD XTL VAN AEROSTAR - all options, 4 capt. chairs, excel. cond., must sell. 924-3855.

FLAT BED - 6½'x8' steel frame, CCA 2x6 deck. Ken, 289-8212 eves.

72 DATSUN 240Z - runs well, custom body parts, needs paint, 4 spd., 6 cyl. 281-8001.

84 PONTIAC FIERO - red, auto, am/fm, a/c. $7,500. Barbara, Ext. 2456.

67 CHRYSLER CONVERTIBLE - 383 V8, a/t, p/s, p/w, p/b, new top; 2 tires, LR78-15, white wall, $25 ea Tony, 698-9274.

Boats & Marine Supplies

23' INBOARD CRUISER - 2 berths, cuddy, fully equipped, 225 h.p. FWC Chrysler, excel. cond., $6,900. Carl, 286-0271.

WINDSURFER — Hifly 320 Pro. 5.5, fully batten RAF slalom cut, Neil Pryde sail, Windsurfing Hawii boom, harness & lines, $950. 286-1358.

83 BAY LINER - 86 h.p. Chrysler, trailer, asking $4,500. Ext. 2951.

14' BLUEJAY SAILBOAT - w/2 h.p. motor and trailer. Ext. 7657.

21' SUNRUNNER - '84, 140 Merc cruiser cuddy cabin, full canvas, power winch, 84 E-Z load trailer, extras, $11,000. 399-6729.

28' OWENS - '65, wood hull, glass flying bridge, dual controls, full canvas, needs TLC, engine not running. Ray, Ext. 3536.

15' CRESTLINE FIBERGLASS BOAT - 40 h.p. motor, $650. 878-6637.

19' LIGHTNING SAILBOAT - w/trailer, 3 sails, fiberglass, good cond., $2,200. 399-1679.

7' DINGHY - glass over wood, good cond., $50. 399-1679.

19½ BAYLINER - Capri Bowrider '84, Volvo I/O, trailer, Coast Guard equipment, full canvas, all covers, many extras, $7,700. Ext. 2981 or 473-7809.

WINDSURFER - Howmar Phase II, excel. cond. $650. Walt, Ext. 4798.

Miscellaneous

GYM - Marcy EM1/EM2, 2 mo. old, cost $750., sell for $600. Barbara, Ext. 2746.

COCKATIELS - baby grey, $50; yellow, $65. 584-5972.

GRAVELY TRACTOR - dual wheels, electric starter, w/attachments, $2,000. Charlie, 475-8211 after 6 p.m.

TREE PLATFORM - Archery Baker, w/ladder, used twice, $70. Ext. 2514 or 757-3172.

26" BIKES - (1) exercise, (2) 3-speed, (1) 10-speed, all excel. cond., $75/each; 25" color TV, needs tuner cleaned, plays well, $75. 277-4091.

STEEL SCUBA TANK - regulator, depth gauge, bottom timer, air pressure, weight belt, $125. Barbara, Ext. 2456.

STRAWBERRIES - pick your own during June, easy picking in almost weed-free patch. Call for time. Chris, 878-0621.

DESK - solid pine, 54"wx28"d, 4 draws, inc. center, $200; desk w/chair, 56"wx25"d, dark pine, pigeonholes, 8 drawers, inc. center, v.g. cond., $200. Tom, 331-1297.

DINING ROOM HUTCH - Danish, $125. 744-5069.

MOVING SALE - cherry gateleg table, chairs, Sears fireplace, heat exchanger, custom drapes, more. 286-4639 after 5 p.m.

REMOTE CONTROL AIRPLANE - w/7 channel radio, brand-new, 1 hr. flying time, $400. 928-0687.

KEYBOARD - Macintosh, Tangent Technologies, brand-new, including latest rev. software. Rick, Ext. 2813.

MOVING SALE - classic dining room set, 5 light Colonial fixture, chairs, rockers; size 9/10 "mother of bride" and evening gowns, etc., 273-5574.

PIANO - upright, Story & Clark, $475. 581-7656.

KING-SIZE WATERBED - 2-mirror bookcase, 6-drawer pedestal, 2 sheet sets, $675 new asking $350. 585-7987.

RIDING BOOTS - women's slim calf, 8-8½, leather, all but new, $20. 369-1517.

WOOD CABINET - mahogany bar/server, 26" wide, 37" high, 15" deep, $80. 744-6874.

ELECTRIC KILN - 1 cu. ft., 120 V, 18 A, good cond., $200. Gene, Ext. 3080.

BEDROOM SET - Colonial dark pine, full-size bed, dresser w/mirror, chest, 2 nightstands, mattress, boxspring, excel., $450. Judy, Ext. 2590.

CB RADIO - Lafayette Telsat 55B-100 w/power mike, $150. Ext. 4312.

SEARS WEED WHACKER - 16" elec.; 16" B&D hedge trimmer, $15 ea. 589-3608.

MICROWAVE OVEN -Litton Generation II, large capacity, high wattage, like new, $180. 475-1813.

MOVING OUT OF STATE - furniture sets, toys, games, books, new gift items. 928-5737 after 7 p.m.

SLATE - approx. 55-60 sq. ft., 12x15, 12x18, 12x12, 43 pieces, blue, black. Art Rosenka, Ext. 2957.

PIANO - beautiful maple spinet, black & gold heritage eagle love seat, educational toys & games. 821-0250.

PARROT CAGE - large, wrought iron, $250; beautiful umbrella cockatoo, needs good home. 281-8001.

COLONIAL DINING ROOM - table, chairs, hutch, desk, server; Hitchcock bedrm. set. 584-5197.

17½' TRAVEL TRAILER - self-contained, sleeps 6. 286-9232.

MATTRESS & BOXSPRING - w/frame, full-size, excel., $50; 2 twin-size headboards, maple, $30. Tony, 698-9274.

LAWNMOWERS - 20" rotary Craftsman, $20; 26" riding Craftsman, $40. J. Weneser, Ext. 3757.

METAL DETECTOR - Whites model 4000D, very good cond., recharg. batt. pack, $210. Paul, 286-3923.

SINGER SEWING MACHINE - No. 15, antique, asking $65. Pete, 7627 or 929-3847.

PIANO - Spinet "minipiano," needs work. Carol, Ext. 3315.

JAWA MOPED CLASS "C" - no license required, $250. Ext. 4002 or 924-7658.

13" COLOR TV - 1 yr. old, excel. cond., $110; radio w/speakers, $30; classical guitar, $35. Ext. 7107 or 3192.

WATERBED - king, padded rails, shelf headboard, 6 drawers, heated, dark wood, polyurethane finish, excel. $325. Henry, Ext. 5110.

THOMAS ORGAN - full double keyboard & pedals, rhythm, mint cond., retail $2,700, asking $2,100. 286-0237.

ADMIRAL REFRIGERATOR - frost-free, brown, $150; white Westinghouse washer, $125; Kelvinator chest freezer, $25. 475-7272 after 6 p.m.

Free

TIBETAN TERRIER - for adoption, adorable male; beautiful female hound pup; border collie. 878-2910 eves.

ELECTRIC KITCHEN RANGE - Westinghouse, delivery to site $5. Ext. 5286.

CATS - lovely gray/white female; calico female; orange Morris. All fixed & shots. 928-9537.

KITTEN - abandoned & rescued, grey & white tiger, weaned & housebroken, Ext. 4347 or 924-2932.

GREAT DANES - 1 male, 5 yrs. old, 1 female, 2½ yrs. old, need fenced in area & lots of loving, good watch dogs, gentle. Al, Ext. 3992 or 331-1003.

INFANT/CHILD CAR SEAT - Century, Ext. 4347 or 924-2932.

Yard Sales

BELLPORT - May 30 & 31, 19 Fuoco Lane, 10 a.m. to 4 p.m.

SETAUKET - 141 Quaker Path, Sat., May 30, 9 a.m. - 2 p.m.; Sun., May 31, 9 a.m. - noon, benefit the Ministries.

Car Pool

PATCHOGUE VAN POOL - seat open, leave name & number, Ext. 4669.

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

ROCKY POINT - 3 bdrm. Cape, large rms., modern kitchen, 2 baths, f/p, carpeting, bsmt., near beach, avail. immed., $750 + util. 744-8659.

CAPE MAY, NJ - vacation house, 2 bdrm., all appl., weekly rental, June & July $500; Aug. $550. 427-8850.

CENTER MORICHES - small 2 bdrm., waterfront house, dock, no pets, $750 + util./mo. 878-4304 after 6 p.m.

CATSKILLS - 3 bdrm., sleeping loft, fully furn., near Hunter Mt., music festivals, game farm, golfing, hiking, trout fishing & rafting, will rent day, week or month. Judy or Kay, Ext. 3595 or Bea, Ext. 3642.

N. SHIRLEY - lg. furn. studio apt., w/kit., pvt. ent., util. inc., 1 person only, non-smoker, no pets, 5 min from Lab & stores, security, $425/mo. pays all. 281-8044.

HILTON HEAD, SC - 2 bdrm. condo, sleeps 6, beach, pool, tennis, golf, many extras, some summer openings; taking fall rentals, $400/wk. 585-9149.

CALVERTON - 2 bdrm. condo, 1½ baths, f/p, patio, central a/c, 5 appliances, 2-story, l/r, dining area, no pets, $690. 878-0874 eves.

For Sale

RIVERHEAD - 12'x55' mobile home, 2 bdrm., 1½ bath, l/r, eik, new shed, dbl. drive, corner lot in adult/55 park on Peconic River. Jeff, Ext. 2907 or 727-5915 after 6 p.m.

PORT JEFFERSON - 4 bdrm. Colonial, 2½ baths, formal d/r, center hall, den/fp, finished bsmt., ½+ acre, lovely area. 928-6389 after 6 p.m.

ROCKY POINT - 4 bdrm., 2 baths, ranch, near beach, low taxes, 2-zone heat, f/p, large kitchen, must be seen. $149,900. Ext. 3123 or 821-1039.

ROCKY POINT TIDES - hi-ranch, 3 bdrms., 2 baths, country kit., f/r, sun room, 2-car garage, laundry rm., 32'x16' in-ground pool, sprinkler system, $159,500. 821-3709 after 5:30 p.m.

YAPHANK - Whispering Pines, large 3 bdrm. townhouse, garage, f/p, 8' finished bsmt., l/r, d/r, eik, 2½ bath, priv. backyd. w/20x20 brick patio, mint cond, must sell, $140k's. 924-6474 eves.

STONY BROOK - "B" section, unique Cape, 4 bdrm., 2 bath, ¾ acre, CAC, central vac., alarm system, 2 car garage, 3 V school, 5' to shopping and schools, owner anxious to sell. 751-2469 eves./wkends.

SHOREHAM - 3 bdrm., ranch on prof. landscaped ⅓ acre, very nice neighborhoodd, l/r, d/r, eik, 20'x12', f/r w/bay window, a.g. pool, deck & more, $135,000. 821-2716.

BELLPORT VILLAGE - 3 bdrm. Colonial on quiet lane, l/r w/stove, fam. rm., d/r, 1½ baths, ⅓ acre, principals only, $169,500. 286-1381.

EAST SHIRLEY - 5 bdrm. ranch, 3 baths, 2 car garage, full bsmt., city water, 120x150, oil HWH. 399-3415.

MASTIC BEACH - 3 bdrm. ranch, formal d/r, l/r with f/p, eik, bsmt, detached garage, dble. driveways, fenced, patio, city water, ¼+ acre, $99,000. 281-5456.

Wanted

DRESS FORM - costume pieces; bridal headpiece, top hat, derby, cowboy boots & accessories, Civil War cap & flag. Becky, 289-8212.

HOUSE TO SIT - by professional couple, any time from June 10 to Labor Day. Ext. 4776.

LOVING HOME - for kittens, silver tabby, cream, black/white, males, females. 878-2910 eves.

66 MUSTANG PARTS - console, breather, am/fm radio. Ext. 5506.

HOUSE TO SIT - free, reliable, caring, experienced, any period after May 30. Jack Allentuck, Ext. 2412.

SMALL BOAT TRAILER - for Sunfish, reasonable. J. Medina, Ext. 7636 or 654-3472.

WHEELBARROW TUB - or entire wheelbarrow, used, reasonable. Whitey, Ext. 2913.

GENERATOR - 4 kW Generac from BERA Lab sale, on orig. skid, unused, offering $400. George, Ext. 2296.

SNAPPER MOWERS - for parts, reasonable. Kevin, 286-8521.

TRAILER - for Sunfish sailboat, reasonable. Andy, 286-3651.

Ads left out of this issue due to lack of space need not be re-submitted to appear in the next issue.