



BROOKHAVEN BULLETIN

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LAMPF Tests Successfully First Two Stages At 100 MeV

The first two stages of the three-stage Los Alamos Meson Physics Facility have now been successfully tested 10 days ahead of schedule.

A 100 MeV (million electron volt) proton beam was achieved at 10:39 p.m., June 21.

Slightly more than one year ago, on June 10, 1970, the first beam of 5 MeV was sent through the first stage of the linear accelerator. This was a test of the 750 keV (thousand electron volts) Cockcroft-Walton injector, the beam transport system and the first drift-tube Alvarez section tank.

The June 21 run of 100 MeV was primarily a test of the completed Alvarez section coupled with the injector and beam transport systems. Dr. Louis Rosen, head of the Medium Energy Physics Division at LASL, expressed deep satisfaction at the success of the test. Dr. Rosen's division is charged with the overall responsibility for the LAMPF project.

Dr. Harold Agnew, LASL director, congratulated those involved in the project for their accomplishment ahead of schedule, especially Dr. Robert Emigh who was responsible for conducting last night's test. It was originally anticipated that the 100 MeV test would occur in July.

Dr. Agnew praised the work of Dr. Rosen, Dr. Darragh Nagle, Dr. Donald C. Hagerman, Dr. Edward A. Knapp and Dr. Thomas M. Purnam. The Director also said, "One of the prime reasons for the success of the LAMPF project is the great team we have assembled from throughout the Laboratory. They are all extremely dedicated to their task."

The next major test for LAMPF will occur this fall when a portion of the side-coupled cavity section, a new concept developed at Los Alamos, will be used to accelerate protons for the first time. The entire three-stage accelerator is expected to be operational at the full 800 MeV energy level in July, 1972.

LI Airports Limousine Now Serves Brookhaven

Direct service to JFK and LaGuardia airports is now being supplied by LI Limousine service on a scheduled basis from the main gate of Brookhaven hourly throughout the week.

The limousines will leave the Lab starting at 7 a.m. and 8 a.m. From 9:25 a.m. to 8:25 p.m. they will make pick-ups every hour. The fare for one way from Brookhaven to either airport is \$13.50 with a 10% discount for round trips.

A free courtesy phone in the baggage claim area of each airport can be used to arrange for pick-ups for the return trip.

New Bookmobile Schedule

The Bookmobile will stop at the corner of Technology and Brookhaven in the Applied Math parking lot on the following days:

July 1, 15, 29	October 7, 21
August 12, 26	November 4, 18
September 9, 23	December 2, 16, 30

Employees and on-site residents may borrow books, except those on reserve, for a four-week period.

Strike History And Issues

Since Monday, May 3, a total of 18 meetings were held with the Union negotiating committee. The last 8 meetings were held under the jurisdiction of the Federal Mediation and Conciliation Service, and were broken off by the IBEW at 2:00 p.m. on Wednesday, June 30.

Contract That Expired June 30

A three year contract between the Laboratory and the 557 members of Local 2230 of the IBEW.

This contract provided wage increases of 5, 6, and 7 percent based on the 1968 wage level for the first, second and third year respectively.

The average hourly rate as of June 30, 1971, for bargaining unit members was \$4.30 per hour, \$172.00 per week.

Cost of benefits for average bargaining unit members, including vacation, average sick leave usage, holidays, pension, group insurance, social security, etc. was \$1.89 per hour which is 43 percent of average base pay.

Union Demands

The Union submitted to the Laboratory a total list of over 150 contract demands including a 35-hour workweek; increased premium pay; sick leave re-purchase; 17 holidays; and additional personal leave. Their demands also included:

Non-contributory retirement (12½ percent of first \$7,800 annual base pay and 17½ percent on annual base pay in excess of \$7,800 to be contributed by Lab).

The Laboratory now pays an amount equal to 10 percent of annual base pay.

Ten percent of base pay to be contributed by Laboratory to savings bond plan (new).

Two and one-half percent of base pay to be contributed by Laboratory to a supplemental retirement plan (new).

Dental and drug plans to be fully paid by Laboratory (new).

Group life insurance (2½ times annual base pay) to be fully paid by Laboratory.

Group long term disability to be fully paid by Laboratory.

Group medical insurance to be fully paid by Laboratory.

The additional cost to the Laboratory for these new and improved benefits would be \$.90 per hour per person, an increase to 63 percent of average base pay for fringe benefit cost. For the 557 IBEW members the cost would be \$1,033,000 per year. This cost does not include a wage increase, additional holidays, and the cost of other Union economic demands. If the Laboratory agreed to these demands, a compensating reduction in the Laboratory's operation would have to be effected to meet these additional costs since there is no additional money available.

Exhibit "B" of the contract deals with the division of work between the bargaining unit workers and technicians. The Union's demands in this area included:

The Union took the position that it wanted to take over some of the work in the Accelerator Department's experimental area involving control wiring, power wiring and certain piping. It should be emphasized that the technicians' work in question is in the experimental set-up area of the Accelerator Department and has always been the primary responsibility of Laboratory non-bargaining-unit technicians.

Severe limitations on the right of non-bargaining-unit employees to use machine tools plus other encroachments on non-bargaining-unit employees' jobs.

The restricting of non-bargaining-unit employees from operating any air conditioning, heating, or ventilating equipment other than "window air conditioners or thermostats."

Laboratory Response

The Laboratory responded to the Union demands in Exhibit "B" by offering new contract language in a good faith effort to clarify the dividing line between bargaining unit work and work necessarily reserved for the technicians.

In addition to other contract changes, the Laboratory made the following offers:

On June 30, 1971, the Laboratory offered a three-year contract with wage increases of 6, 6½, and 7 percent per year, based on the current wage levels and resulting in an average increase of \$.84 per hour or \$33.60 per week over the three-year period.

The Laboratory offered an additional one-half holiday by making the day before Christmas a full holiday for a total of 11 holidays per year.

The Laboratory offered to improve the present Laboratory medical plan by extending semi-private room coverage from 31 to 120 days and increasing diagnostic X-ray coverage from \$50 to \$100.

The Laboratory feels that these offers to the Union represent a significant increase in both wages and fringe benefits. Note that the present average hourly rate is \$4.30 and the present fringe benefit package for bargaining unit employees now costs the Laboratory an additional \$1.89 per hour.

Future Negotiations

The Laboratory continues to be ready and willing to proceed with good faith negotiations in the hope of reaching a resolution of any issues. Future negotiating sessions will be called by the Federal Mediation and Conciliation Service.

The Brookhaven Bulletin will continue to keep you informed of any new developments.

IBEW Members Go On Strike At BNL

On Wednesday, June 30, Acting Director George H. Vineyard announced to all employees that Local 2230 of the IBEW had broken off negotiations with the Laboratory at 2:00 p.m. and would go on strike. That night at midnight union members walked off their jobs and managerial personnel took over the vital functions of the Laboratory.

The Union represents 557 maintenance and service employees out of a total of 2,740 employees.

In his announcement Dr. Vineyard stated, "We sincerely believe that this strike is unnecessary. Up until the Union broke off negotiations, progress was being made, and the differences between the Laboratory and the Union were steadily being narrowed."

The major issue on which agreement has not been reached, he further stated, is Exhibit B of the IBEW contract, which describes the jurisdictional lines between work of technicians and work of the bargaining unit.

The Lab has offered a three-year contract with a 6% wage increase in the first year 6½% the second year, 7% the third. This would give the IBEW members an increase in the coming year equal to the increase given to the non-bargaining unit wage employees effective July 5, 1971.

The Laboratory also offered improvements in the group medical plan and proposed to make the day before Christmas a full holiday.

The morning of July 1, approximately 200 union members picketed near the Main Gate. In a release that afternoon, Acting Director Vineyard thanked employees who have volunteered for extra duties, and noted that "the Laboratory has been operating in a nearly normal fashion."

Picketing has continued over the Fourth of July Holiday.

As of Wednesday morning, July 7, no date has been set by the Federal Mediation and Conciliation Service for the negotiations to begin again.

Upton Nursery School

The Upton Nursery School, operated for the benefit of BNL employees, offers advantages for Dads and Moms as well as its students. Moms enjoy the two or three mornings per week of greater independence. About once every month they attend a session as a "helping mother" to assist the teacher. The students make new friends while enjoying new experiences. Dads develop pride in their own students' progress.

Openings for next fall in the three- and four-year-old classes meeting Monday, Wednesday and Friday; and Tuesday and Thursday mornings are available. A few openings for Monday through Friday, five-day students, are also available on a first come first serve basis.

Safety Equipment

Issues of safety equipment are made from the lower level of the I and HP building (Bldg. 535).

Female Physicist Programs Linac

Off one hallway in the Cosmotron building nestled in a corner dwarfed by the towering shelves where computer printouts hang out like sheets in a linen closet and stacks of still more printouts fill most of the available floor space, the only female physicist in the E.N.L. Accelerator Department resides.

Diminutive and soft-spoken, Dr. Renate Chasman belies this wild disarray and gives the room life, character, and meaning. "Rene" as she is known around the Lab is yet probably little known personally by others.



Renate Chasman

Six years after her birth in Berlin, Germany, she and her family fled to Sweden shortly before World War II as Jewish refugees. Her recollections of this period are unclear, yet she remembers the smashing of Jewish store windows and her father hiding with friends to try to escape the concentration camps.

After finishing high school in Sweden, "Rene" Werner received her MS and then her PhD in 1959 from Hebrew University in Jerusalem, Israel, in experimental nuclear physics. In her characteristic straightforward manner, she explained, "I liked physics in high school. It just came very natural to me and really wasn't much of a choice at all."

She arrived in the United States as a post-doctoral candidate at Columbia University for three years where she met her husband, Dr. Chellis Chasman, who is also a physicist at BNL.



Coming to Brookhaven in 1963, Dr. Chasman worked on neutron cross sections; two years later she became involved in Beam dynamics in the 200-MeV Linac and is now working on organic problems in accelerator physics. The computer printouts in her office are an approximate 3½ years accumulation purposely kept to have one standard program for each problem.

Dr. Chasman works in a man's world, but she commented, "I'm used to it. I

hardly think of them as men." Neither does she feel that there is any problem in how her colleagues treat her. "Possibly there has been a real change in more women getting out of the house and working, though I think it's very, very far from being reached."

"I think it's important," she continued, "to enhance the interests of even a woman who likes to stay home, who likes to take care of the kids. I feel many women are frustrated and they just stay home because they feel they have to do it, and they take it out on the kids, and their husbands. If the woman is satisfied by working in the house, that's fine. Only when they are not satisfied, they should do something about it."

Dr. Chasman agrees with women's lib in the sense that she asserts the basic problem is women taking for granted that they are supported by their husbands and thus do not have the incentive that men have.

"As for my husband," she explained, "I think that he would not like it if I were home; since if somebody is educated, it's crazy to just stay home. If a person has spent 20 or more years on getting educated, it's not fair to society."

"Work is such an important aspect of my life," she said, "that I don't have much time for anything else." Her dedication to her work, however, does not exclude her family, for she would rather not discuss her work at home although her husband would like the contrary.

At home in Setauket are her children Daniel and Deborah and an unusual lack of television. Her explanation is simply that it is unnecessary. "Maybe directly it's not so bad, but indirectly the children become very passive. This way they find things to do. I'm really more afraid of the indirect consequence."

In our society today of sneaky semantics, meaningless blabber, and obscuring rhetoric, it is refreshing to talk to Dr. Chasman. Her low-key conversation is direct and unpretentious. She is a rare composite of scientist, woman, and person. —Johnson

Selected Reading

- New Scientist & Sci.** 50, June 17, 1971
Whitehall's call for relevant science. A. Croome, M. Sherwood and N. Valéry. 672-5
James Bonner, Icarus of biology. G. Chedd. 700-2
- Science** 172, June 18, 1971
Cancer research and the scientific community. S.S. Cohen. 1212-14
Reactor emissions: AEC guidelines move toward critics' position. R. Gillette. 1215-16
Nuclear tests: Big Amchitka shot target of mounting opposition. R. J. Bazell. 1219-21
- Science** 172, June 4, 1971
Scientist and public: Chapter and verse from David. D. Shapley. 1010.
- Science** 172, June 11, 1971
Route 128: Jobless in a dilemma about politics, their progressions. D. Shapley. 1116-18
- National Review** 23, June 29, 1971
Mau-mauing Dr. Teller. W.I. Scobie. 697-8
- Nuclear Industry** 18, June 1971
Trials and tribulations of trying to counter Shoreham critics at 52-day proceedings. An interview with V. Sailor. 23-6
- Perspectives Biol. Med.** 14, No. 2, 1971
Can man shape his future? P. Handler. 207-27
Argonne: A tradition of accomplishment. Remarks by Dr. Glenn T. Seaborg, Chairman, U.S. Atomic Energy Commission, at the 25th Anniversary of Argonne National Laboratory, Argonne, Illinois, June 19, 1971. U.S. Atomic Energy Commission Press Release No. S 12-71, June 19, 1971

Rifle-Pistol Club Meeting

The regular monthly meeting of the Rifle-Pistol Club will be held on Wednesday, July 14th, 5:15 p.m. at the Recreation Building.

One Beam Dump Plus BLIP Adds Up To Medical Radionuclides

The 33 GeV (Giga electron volts) Alternating Gradient Synchrotron (AGS), the largest and most powerful workhorse of high energy physics in this country for the past ten years, will soon become a unique source of pharmaceutical and industrial radionuclides. Many of the radionuclides to be produced are either presently not available or in short supply because of the cost and production difficulties.

Although physicists, doctors and others have worked side by side and interacted at Brookhaven for almost 25 years, this is essentially the first time that such an important facility, designed and built initially only for physics research, has the potential to be ideally suited to serve the needs of medicine and industry as well.

Every 2.4 seconds, in the AGS, a pulse of protons travels several hundred thousand times around the half-mile circular accelerator, reaching a speed over 185,000 miles per second at up to 33 GeV of energy. They are then allowed to hit a target, causing the target atoms to break into an array of sub-atomic particles. The speedy and energetic particles get their start in the 200-MeV Linac. When the new Linac installation is complete in a few months, the AGS will be able to accelerate not only a pulsed-beam with more protons in it, but do it once every second instead of every 2.4 seconds. However, the Linac itself will be able to pulse protons ten times per second. The excess protons (nine pulses per second) will be directed into a dead-end tunnel, or beam-dump, at the end of which will be a new facility called BLIP (Brookhaven Linac Isotope Producer), where the potentiality of producing radionuclides by high energy protons will be explored.

The unique capabilities of BLIP were described last Wednesday before the Society of Nuclear Medicine, which held its 18th annual meeting in Los Angeles, California from June 27 to July 2. Presenting the paper was Dr. Elliot Lebowitz, who co-authored the paper with Mr. Powell Richards, both of the Department of Applied Science at Brookhaven National Laboratory.

BLIP makes it possible for the first time to produce economically and on a large scale a variety of radionuclides having important biomedical and industrial applications. Radionuclides are produced by having the high energy protons bombard suitable stable isotopes to produce the desired radioisotopes. Silicon, for example, is used as a target, or source, for Aluminum-26, the only isotope of aluminum with a half-life of more than a few minutes.

BLIP is essentially a deep tank filled with water arranged so that the bottom portion of the tank is in a direct line with the 200 MeV proton beam from the Linac. Inside the tank are ten target guide tubes which allow the target material to be lowered into the beam path, and the resulting radionuclides to be removed from the top. Some radionuclides require higher energy protons than others. Those requiring the highest energy would be first in line with the proton beam. Thus, a typical target array, in order of decreasing energy requirements, would include first an iron target, followed by targets of silicon, aluminum, and tantalum.

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NORBERT J. DERNBACH
Public Relations Officer

Arrivals & Departures

Arrivals

John J. Schmidt.....Medical
Donald M. Strayer.....Physics

Departures

Applied Math. Dept.
Gregory T. Howard

Accelerator Dept.

Walter R. Corwin	Gerard J. Novak
Thomas W. Glover	Edward Potter
David L. Greenberg	Andrew N. Quattrocchi
Fred R. Hillerud	Robert C. Schubert
Vivienne C. Jacobsen	Charles J. Thiessen
Boris Lomonosoff	Gunnar J. Uddman, Jr.
John C. McMullan	Ronald G. Walter
John Matsko	Ronald W. Weider

Biology Dept.

Burt V. Bronk	Donald F. Koenig
Prem S. Chourey	Joel S. O'Connor

Central Shops Div.

George R. Decker	LeRoy C. Lamb
W.F. Eberspacher	Marc A. Martinez
Frank C. Folde	Edward H. Zellner
Walter F. Hulak	

Instr. & Health Physics

Richard A. German

Dept. of Applied Science

Rubin Goldstein	John K. Wilmshurst
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Mechanical Engineering Div.

John J. Agostine	Edward H. Foster
Alden Banslaben	Charles L. Gould
Walter R. Berg	George P. Roeser
Charlotte C. Borsman	Catherine R. Trautwein

Medical Dept.

Nicholas Delihias	Kathleen C. Kinsch
Christine I. Kendrick	Ho-Jane Shue

Physics Dept.

Kathy J. Carter	Alan H. Luther
Yau W. Chan	Vincent J. Minkiewicz
Walter P. Furman	Robert S. Panvini

Reactor Div.

George E. Kiltbau	Marion S. Tower
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Supply & Materiel Div.

Joseph Misiano

Public Sale of Motor Vehicles

Thirty-two (32) motor vehicles, located at Warehouse T-87, will be available for Public Sale.

Inspection will be permitted from July 1st through July 9th, during the hours of 9 a.m. to 4 p.m., except Saturday and Sunday. Bid opening will be held on July 13th, at 2 p.m.

Bids will be opened at General Services Administration, Business Service Center Bid Room, 26 Federal Plaza, New York, New York, 10007. Tel: Area Code 212, 264-2637.

This will be an informal competitive bidding. Bid forms may be obtained at Building 87 and 211. For further details, please call Extensions 2509 or 2704.

Soccer

K. Batchelor

BNL 6 vs. American League Oldtimers 5

On Saturday, June 26th, BNL entertained the American League Old Timers to a game at Brookhaven and were victorious in a fast and evenly contested game by a score of 6 goals to 5.

The game started in early afternoon with the temperature over 90° F and the early exchanges even with Cox coming near to scoring twice from crosses from the right wing Rubinstein. It was the Old Timers who scored first with a good goal by Campagna, scored from the edge of the goal area. BNL fought back strongly and Sutherland put in a hard shot from the right, which hit the post and came out to Batchelor who hit the ball hard towards goal only to produce a fine diving save from the goalkeeper. However, the ball rebounded to Preece who rammed the ball home over the fallen goalkeeper. Minutes later, Preece pushed a ball through to Batchelor, who swivelled and hit a right foot shot into the far corner of the goal. This further reverse stung the Old Timers into action and with the BNL defense playing the ball too closely, Hynes, an ex-international star for the American team, scored two quick goals in succession from close range to put the Old Timers in the lead by 3 goals to 2 at half time.

BNL started strongly in the second half and Preece, after several attempts at goal, drew the goalkeeper out of goal and shot into an empty net to even the score. Shortly thereafter, Meijers and Preece made a good combination on the left to put Meijers through to score. After this goal, play swung rapidly back and forth and with the Old Timers putting everything into attack, Meijers broke through to score a fine individual goal and Preece followed with a similar breakthrough, carrying the ball from the halfway line to the goal before scoring. Despite these reverses, the experienced Old Timers team continued to press strongly and were rewarded by Saunders scoring from a penalty for handball given away accidentally by a BNL defender.

Then two minutes from time, Saunders scored another good goal for the Old Timers to complete the scoring. Thus ended a fine game in which the BNL team gave its best display of the year against the best team they have played to date. Perhaps this was due in some measure to the supporters who turned up to cheer their team on to victory!

Dry Cleaning Pick-Up And Delivery On Site

Beginning Monday, July 12, Richie's Cleaners, Main Street, Yaphank, will pick up and deliver clothing for cleaning, laundering and/or repairing on the laboratory site. The cleaner's blue truck will be in the parking lot opposite the Bankers Trust of Suffolk NA (Upton facility) from 11:00 a.m. to 1:00 p.m., Monday through Friday.

There will be normal two-day service, but Richie's will rush the order upon request.

Prices for Richie's services are competitive, with men's suits and women's dresses at \$1.75, pants, skirts and slacks for \$.80, and shirts laundered for \$.35.

All prices will be posted at the truck, and further information can be obtained by calling Richie at 924-8074.

Register Now! Tennis Tournament Starts July 19

The big names, Rod Laver, Arthur Ashe, Clark Groebner, Bob Lutz, Ken Rosewall, were not fortunate enough to make it into the finals at the 85th Wimbledon Tennis Championships. Fortunately for you, they are not eligible to play in the 1971 BERA Tennis Tournament.

You do not have to be a big name to become an entry - and maybe the winner - in our tournament. All it takes is a 50¢ entry fee along with your registration at the Recreation Office. Deadline for registration is July 15 at 2:00 p.m.

The tournament will begin July 19 and will offer competition in the following events:

1. Mens Singles - Open to employees only
2. Mens Doubles - Open to employees only
3. Ladies Singles - Open to employees and wives of employees
4. Mixed Doubles - Open to employees and/or spouse

Simple elimination (one loss and out) tournaments will be held in each category (provided we have enough entries). Participants will play one match each week with the dates, times, and court mutually agreed upon by the opponents.

If you do not have a partner for doubles, post your name on the bulletin board at the courts.

Mixed Softball

C. Falkenbach

The first game of the evening gave the Saints their fifth win, sewing up first place for the first half of the season, when they shut-out the Gotcha's by a score of 7-0. John May's fantastic pitching clinched it for them. He struck out six players and only let three players reach a base. Pat Oster, the Saints Captain, made a great bare handed catch also stopping the Gotcha's from making any headway. The Saints scoring was due to the efforts of many team members. Congratulations.

The second game was full of action and excitement as the Mixed Ups won their first game of the season defeating Chemistry 20-14. Both teams played some game and had their share of base hits and homers Tom Reisig (Mixed Ups) hit two home runs bringing in two runs. John Crump (Chemistry) smashed two homers bringing in one extra run, Dan Haas (Chemistry) homered and Dave Comstock doubled. As it this wasn't enough, Rochelle Nash (Chemistry) got up to bat and smashed the ball over the Mixed Ups center fielders head (was he surprised) for a triple. Later in the game, the Mixed Ups did their thing when Stephanie Petrilak got up and hit her triple over Chemistry's left fielder.

Mind Your P's and Q's



Sequestered away in the labyrinthine Physics Building two students labor over their books and panels on their assignment to the rallying cry of "Program the PDP, and program it PDQ!" Terry Lagerlund (left) and Karen Burgess (center) are at BNL for the summer to master the intricacies of programming the PDP 5 computer with their advisor, Dr. Peter Trower (right). The trio is part of the delegation from Virginia Polytechnic Institute, including three faculty members, five doctoral candidates, and three undergraduates. This VPI team is primarily at BNL to collaborate with a group headed by Dr. George Collins of the Physics Department which is conducting experiments in the spark chamber. A computer science major, Karen is a sophomore at VPI. Terry is a second-year graduate student working to obtain his PhD in physics, and he is receiving six hours of research credit for his work at BNL this summer. Since he has not reached the magical age of 18, however, he cannot yet work at the AGS. The Atomic Energy Commission has donated to VPI the computer which will be moved there in the fall.

Myths And Marriage At Berkner Tomorrow

How did Helen meet Paris? What on earth *was* (or is) the Golden Fleece? If you think you are up on your Greek mythology you will be in for some surprises at new twists put into old tales when you come to "Myths and Marriage," an evening of two one act plays to be performed by the BERA Theatre Group on Friday, July 9, Thursday, July 15 and Friday, July 16, at 8:30 p.m. in Berkner Hall.

The two plays are "Helena's Husband" by Philip Moeller and "The Golden Fleece" by A.R. Gurney, Jr. Bob Kinsey has directed Mike Losquadro, Rich Silberglitt, Rho Silberglitt, Bill Yelon and Darlene Yelon in the former and Bob Marr and Julie Peierls are the cast of the latter, directed by Ron Peierls. Admission, payable at the door, will be \$1.50 (children \$.75). Remember the dates: July 9, 15 and 16.

Hospitality News

The next Hospitality Committee coffee meeting will be held, as originally scheduled, on Monday, July 12, from 10 a.m. until noon at the Apartment Area Recreation Building.

Everyone is welcome - bring the children. Don't miss this opportunity to meet our summer visitors who will be here such a short time.

Cafeteria Menu

Week Ending July 15, 1971

Friday, July 9	
Manhattan Clam Chowder	
Pot Roast of Beef	
w/Brown Gravy & 1 Veg.	.85
Fish 'n' Chips w/Tartar Sauce	.75
Poached Haddock	
w/Creole Sauce & 1 Veg.	.90
Monday July 12	
Chicken Soup	
Barbequed Roast Pork & 1 Veg.	.90
Jumbo Knockwurst & Sauerkraut	
w/Mashed Potatoes	.80
Macaroni & Chopped Beef -	
Spanish Style & 1 Veg.	.85
Tuesday, July 13	
Puree of Split Pea Soup	
Beefsteak Pie	
w/Vegetables & Biscuit Crust	.99
Southern Fried Chicken & 1 Veg.	.85
Stuffed Cabbage & 1 Veg.	.85
Wednesday, July 14	
Vegetable Soup	
Beef Hash w/Chili Sauce	.80
Broiled Link Sausage	
w/Scrambled Eggs & French Fries	.90
Florida Shrimp Louisiana	.95
Thursday, July 15	
Cream of Mushroom Soup	
Pork Chop Suey & 1 Veg.	.90
Sliced London Broil & 1 Veg.	.95
Cheese Omelet	
w/Bacon Strips & French Fries	.80

FAS Meeting

The Brookhaven Chapter of FAS will meet at lunchtime in Room A at the Cafeteria on Friday, July 9. Information on current legislation on energy and the environment will be discussed. A draft of a proposal for a national FAS position paper on a national energy policy will be reviewed. All interested persons are invited to attend.

Classified Advertisements

Autos & Auto Supplies

58 ANGLIA - New rings, clutch, valves, starter gears, front brakes, etc., good rubber, inspected. Jon, 744-5969.

ENGLISH FORD - Almost compl rebuilt, excel 2nd car, modestly priced, inspected. Jon, 744-5969.

1 GOODYEAR TIRE - 4 ply 6.50x13, less than 2000 mi on it. \$9. F. Leon, Ext. 316.

65 BUICK ELECTRA CONV - Full pwr, air cond, excel cond, real luxury car. Carsten, Ext. 2893.

8.55x14 DUNLOP - 4 ply polyglass tires, 5 ea mounted on rims, used 1 wk. 727-8322 before 2.

67 SUNBEAM MINX - Auto trans, r/h, 4 dr sedan, 25 mpg, runs well. looks good. Asking \$850. JU1-8412.

64 CHEVELLE SS - Auto trans, r/h, 2 dr, bckts, good running car, needs paint. Asking \$450. JU1-8412.

VW - Wheels & snow tires (2 ea), mounted & balanced, for Squareback or Fastback, 4000 mi. \$40. 286-0783 eves & weekends.

69 CORVETTE STINGRAY - LeMans blue, 3200 mi, 4 spd, many extras. \$3500. Sacrifice - getting married. Ext. 7805 after 5.

64 FORD FAIRLANE 500 - Auto trans, V8, 4 dr sedan, \$350; 2 snow tires w/rims, 6.95x14, \$20. Ext. 2895 or 507 after 5.

62 T-BIRD CONV - Mich X tires. \$150. Stuart, Ext. 301, 475-0294.

69 VW SQUAREBACK - 1900 mi, r/h, extra wheels & tires, excel cond. \$1950. 286-0783.

CAR TOP LUGGAGE RACK - 36"x54"x6" deep. \$5. B. Espensen, Ext. 7638.

71 VW STATION WAGON - 7 psgr, 14,000 mi, factory warranty. 744-3406.

62 OLDS CUTLASS - Auto stick trans, V8, 2 dr, r/h, \$150. 475-7272 after 6.

64 OLDS STARFIRE CONV - All pwr, lt blue, good cond. \$500. 281-8557.

68 ALFA CONV - Excel running cond, good body. \$1800. 941-3609.

69 BSA STREET SCRAMBLER - 250 cc, orange/blk w/chrome fender, low mileage, excel cond. \$550. Doug, 924-8224 eves.

Boats & Marine Supplies

15 GAL GAS TANK - Approx 36x15x10", permanent or portable, sell or trade for light weight dinghy. C. Wilson, Ext. 7356.

16' FIBERGLASS CABIN CRUISER - Sleeps 2 1/2, 40 hp Selectric, trailer, full canvas, many extras. \$1450. C. Wilson, Ext. 7356, 744-8268.

61 MERCURY 45 HP - No tank or controls, manual start, shabby looking but a runner. \$100 firm. M. Sautter, Ext. 7112, 924-3338.

8' PRAM - Excel cond, all wood construction. Richie, Ext. 7228, MO7-9218.

15' THOMPSON LAPSTRAKE - Good cond, ready for water. \$250. 924-3170.

SEARS-McCULLOCH 9 HP OB - W/remote tank, runs well, 4 yrs. \$75. George. Ext. 7544.

EVINRUDE 5 HP FISHERMAN - \$35. George, Ext. 7544.

26' OWENS CRUISER - Excel cond, must sell. 289-1568 after 6.

22' LOBSTER BOAT - Sleeps 2, 65 hp Chris, 125 lobster pots, rope, buoys, hauling gear, mooring & extras. \$1500 or best offer. 744-3807.

O'DAY DAY SAILER - 17' sloop, 1967, new mast, 3 hp Johnson, running lights, compass, extras, excel cond. \$1800 incl trailer. 286-0783 eves.

2 ROUND STYROFOAM BUOYS - \$4 ea; 1 stainless steel beer barrel buoy, \$10. B. Espensen, Ext. 7638.

SUNFISH - Built from Alcott regulation-size kit, epoxied plywood hull, w/sails and hand-trailer, ready to sail. \$200. Ext. 7248, 286-0932.

16' LAPSTRAKE - Outboard hull, \$150; 16' molded plywood, outboard hull, \$150; both painted & ready for water. Stuart, Ext. 301, 475-0294.

16' FIBERGLASS DAY CRUISER - & trailer, sleeps 2, 40 hp Evinrude Selectric, new battery, many extras. \$1450. 744-8268.

18' THUNDERBIRD - 75 hp Evinrude, excel cond. \$1700. G. Kinne, Ext. 7115.

Miscellaneous

CRAIG - 8-track stereo tape player w/fm stereo radio, mount for car installation, used 1 mo. Lists for \$139.95, sell \$85. Bob, 929-4487.

COLOR TV - Stereo, am/fm unit, sofa, 2 lg end tables, all Ital Prov, 2 lg brass stiffel lamps. Phyllis, 585-4973.

DACHSHUND PUPPIES - AKC, blk/tan male, red male & female, reasonable. Cozine, 325-0810, Ext. 2245 from 4-midnight.

REFRIG - Good for standby or lots of cold summer drinks, very good cond. MO1-4508.

LEISURE GOLF BAG - Brand new, blk & beige. \$18. I. Merritt, LT9-5126, LT9-5823.

CHILD'S SEAT BELT - New, never used. \$5. Ed, Ext. 2450.

STEREO PHONOGRAPH - Webcor, \$20; GE iron, \$10; boy's bicycle. \$10; tricycle, \$5. Nakanishi, Ext. 539.

5 BRIDESMAID DRESSES - Sizes 10-12, 2 navy blue, 1 yellow, 1 pink, 1 lilac, all worn only once. Chris, Ext. 7248.

JOINTER/PLAINER - 6 1/8" Craftsman, 1/2 hp motor, stand & belt guard, hardly used. \$150. 286-0783 eves & weekends.

RADIAL SAW - 10" Craftsman, hardly used, plus stand, casters & light, \$200; plus many accessories. \$280. 286-0783 eves & weekends.

MACY SEWING MACHINE - 8 drawer walnut cab, sews fwd & backward. \$25. 475-7272 after 6.

BABY CARRIAGE - \$15; maple highchair, \$5; car seat, new, \$5. 475-7272 after 6.

MAN'S WATCH - Omega Seamaster. List \$90 originally, sell \$40. Ext. 2253.

LADY'S DRESS WATCH - Girard-Perregaux, like new, \$70. Ext. 2253.

DBL BED FRAME - Incl headboard w/built-in shelves. \$50. Joel, 286-9725.

WINDOW FAN - Four 10" blades, like new cond, heavy duty motor. Ben, Ext. 2588.

TRAILER HITCHES - '69 Firebird (Pontiac), & '64 Chevolet. \$8 ea. Ext. 2268, 475-7326 after 5:30.

RECORD PLAYER - Motorola stereo, portable, old, works well, good tone. Orig \$200, now \$30. Kendrick, Ext. 2962, 281-6078 eves.

PORTABLE TAPE RECORDER - W/several free tapes, Panasonic. \$50. H. Donnelly, Ext. 2233.

RACING BICYCLE - 10 spd, caliper brakes, 26"-28", in good cond, reasonable. Linda, 289-0886.

26" SCHWINN GIRL'S BIKE - Excel cond, red w/chrome fenders, coaster brakes. \$25. Linda, 289-0886.

HUGE GARAGE SALE - Furniture, antiques, bric-brac, July 9, 10, 11, 171 Swan Lake Dr, Patchogue (near Cherokee Diner). 475-4199.

ROOM AIR COOLER - \$10; 12" window fan, \$5; working 19" TV set, \$10. B. Espensen, Ext. 7638.

GIRL'S 24" BICYCLE - \$15; boy's 26" bicycle, \$20; pr French doors; several other doors - reasonable. Ext. 2191.

STEINWAY GRAND PIANO - Circa 1881; Colliers encyclopedia, 1956; Websters 2nd ed unabridged dictionary; best offers; misc technical bks. Ext. 2191.

2 LIV RM CHAIRS - Seleg, dk red tweed. \$25 ea. Joel, 286-9725.

4 PC SECTIONAL SOFA - Aqua, modern, good cond. \$75 or best offer. C. Ruege, Ext. 451.

MAGNAVOX CONSOLE - Am/fm, fm stereo radio, 4 spd stereo turntable, excel cond. Best offer over \$150. 727-8322 before 2 p.m.

COOLER CHEST - Thermos delux model 48Q, red, \$10; Sony am/fm clock radio, model 8FC-53W, excel cond, \$20; Philco b&w TV 19", excel cond, \$50. Ext. 507/2895.

APPLIANCES - Admiral refrigerator, excel cond, \$45; Frigidaire elec dryer, 110 or 220 v, \$45. Call Whitey, Ext. 2179 or JU1-6367.

COLLIE PUPS - AKC. Sable/white, tri's, all shots, show prospects. From \$75. Call Whitey, 2179 or 475-9818.

64 NIM-ROD TENT TRAILER - Ideal vacation home, many extras, ready to roll. Asking \$550. Ext. 657, JU8-2328.

Real Estate

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

For Sale

SOUND BEACH - Custom 4 bedrms, 3 full baths, plus income 3 rm apt, w/w, s/s, appliances, fin bsmt, landscaped, pvt beach rts, corner prop. 744-2004 eves & weekends.

PT JEFF - BELLE TERRE - 10 rm, 4 bedrm, 2 1/2 bath center hall colonial on 2+ acres. Ext. 2191.

MEDFORD - 7 rm split level, 3 bedrms, lg eat-in kitchen, 1 1/2 baths, 12x20 paneled fam rm, util rm, garage, w/w, redecorated. \$23,000. 289-1925.

MILLER PLACE - Brand new 8 rm ranch, 3 bedrms, huge kitchen, fam rm w/fireplace, 2 full baths, 2 car garage, full bsmt. HR3-5786.

BELLPORT - Victorian house, renovated '65, 9 lg rms incl 4 bedrms, 2 1/2 baths, 3 fireplaces, oil baseboard heat, all elec appliances, full bsmt & attic, sep 2-car garage, near stores & dock, avail 8/71. 286-0783 eves.

For Rent

BAYPORT - Charming 1851, furn, 1 yr Sept, mod kitchen, 1 1/2 baths, fireplace, 6 rms incl lg studio (or storage), 1/2 acre, trees, barn, walk to village, bay, buses. Ext. 2962, HR2-1397.

2 1/2 RM BSMT APT - Priv entrance, util incl. LT9-5951 after 6.

BELLPORT - Lg spacious house, furn/unfurn, 4 bedrms, 2 1/2 baths, 2 fireplaces, oil baseboard heat, near stores & boat dock, 12-13 mos starting 8/71. 286-0783 eves & weekends.

Wanted

HOME - For adorable blk w/white male kitten, 7 wks old, paper trained. 281-5289.

HIGH CHAIR - Ext. 2100, 286-0405.

CAMPING EQUIPMENT - Also freezer, reasonable. 878-1456.

GOOD HOME - For 5 yr old Lab Ret, blk, good w/children, bred well, papers, shots. Rizzo, Ext. 2717, 286-0716 eves.

BOAT TRAILER - To haul 11 1/2' wooden row boat, must be less than \$40. John, Ext. 2124.

SUMMER STUDENT - Willing to babysit any eve after 5. Ext. 2832.

PEOPLE - Interested in BNL group flight to Europe. \$240 round trip in summer, \$160 in Sept. R. Horwitz, Ext. 2725.

Carpools

DRIVER WANTED - To compl carpool from Patchogue. Bob, Ext. 2265.

Summer Food Precautions

Improper care and handling of food can lead to food poisoning, warns the Suffolk County Department of Health, especially during summer months when harmful bacteria grow at a much faster rate. To reduce chances of food contamination, the Health Department offers the following suggestions.

When picnicking, select a menu on the basis of facilities available to keep food hot (140° F or above) or cold (45° F or below).

Provide supplemental cold for certain types of food, particularly those high in protein and moisture. Insulated containers with dry ice or reusable cold packs are generally suitable for a small family outing; mechanical refrigeration is considered safer for larger groups.

For salads, take the ingredients, refrigerated, to the picnic site and prepare the salad there at the last moment.

If sandwiches are made at home, all ingredients including bread and rolls should be pre-refrigerated and the wrapped sandwiches kept cold until eaten.

Avoid custard-type desserts, including cream-filled pies and pastries; substitute fresh fruit, plain cakes, or cookies.

When food is to be cooked, it should be cooked thoroughly until it is heated all the way through to destroy disease-causing germs. If it is merely browned on the outside, bacteria left alive in the warm, moist center will reproduce rapidly.

Prepare fruit juice in non-metallic containers, preferably glass or plastic. Never allow the pouring lip of bottled beverages or paper cartons to be stored under water.

Wash hands thoroughly before preparing food, and prepare all foods with a minimum of hand contact. Do not handle or prepare food for others if you have a skin infection or upset stomach.

Persons who relate an illness to food should first go to a doctor for treatment and then notify the Health Department so others can be protected. Although the Suffolk County Health Department is prepared to handle a food outbreak, preventive measures in a restaurant, in the home, or at any outing pay high dividends in terms of personal comfort and enjoyment.

Pool - Gym Procedures

Admission to the Swimming Pool and Gymnasium will be granted only to: employees; members of employees' families (members of the same household); and, guests of above.

An employee or a family member will be permitted to bring no more than five guests per family. Employees or responsible family members must accompany and supervise their guests. If several employees bring a group of youngsters, they must accompany and supervise them in the Pool and Gym areas.

Admission through the gates of the Laboratory to use the Swimming Pool and Gymnasium is controlled by the Security Office. However, members of employees' families are permitted to enter the Laboratory to use the Pool and Gym if they:

Are accompanied by an employee, or are in possession of a Season Pool Pass, or are in possession of a Temporary Identification Card issued by the Security Office.

Summer Season At Pool

Rates

Season Pass	
Employee or Family Member	\$10.00
Family (Same Household)	\$20.00
Daily Single Admission	
Employee or Family Member	50¢
Visitor	75¢

Classified Ad Policy

Deadline is 12 noon Friday for publication the following week.

- The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
- All items for sale or rent must be the advertiser's property.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Firearms offered for sale or trade may not be brought on site.

- Ads not carried because of space restrictions will be held for publication in the next issue.
- Ads are run only once and must be resubmitted if they are to be repeated.
- Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employees signature.

For Sale: Auto & Auto Supplies Wanted
 For Sale: Boats & Marine Supplies Carpools
 For Sale: Miscellaneous Lost & Found

Check the heading applying to your ad.
 Print or type your ad in 20 words or less.

Ads concerning property for sale or rent cannot be accepted on this form. Special Real Estate Ad forms are available at the Office of the Brookhaven Bulletin, Room 112, 40 Brookhaven Avenue.

(Name & Phone No. To Call)

Employee's Signature Life No. Ext.

Send to: Brookhaven Bulletin, 40 Brookhaven Avenue