



BROOKHAVEN BULLETIN

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Old 50-MeV Linac Going To Berkeley

At the venerable old age of eleven, which is old for a linear accelerator, the 50-MeV linac at the AGS was shut down at BNL permanently by John P. Blewett, Deputy Chairman of the Accelerator Department.

For the past 11 years the linac has served well as the injector for the 33-GeV Alternating Gradient Synchrotron, but has now been replaced by the giant new 200-MeV linear accelerator soon to be in operation at the AGS.

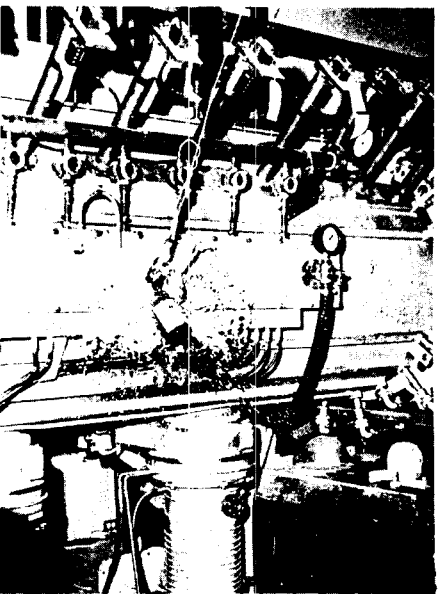
A second life for the 50-MeV linac will start after it is re-installed as a replacement for Lawrence Radiation Laboratory's 20-MeV injector.

The history of the 50-MeV accelerator goes back to 1956, when John Blewett and Irving Polk started its construction. Although no linear accelerator had yet produced more than a fraction of a milliamper, this one was to use the newly invented "alternating-gradient focusing" and its designers confidently promised a full milliamper. (They hoped privately to reach five milliamperes.)

In 1960 the machine was turned on and 10 milliamperes of beam current was soon accelerated. The machine followed its inherent growing talent. At first in 1963 its pulse length was increased from 20 to 100 microseconds, which was required for multiturn injection. Then in 1968 a second milestone was passed by increasing the rf output capability by 50% and installation of a new preinjector. These modifications increased the maximum beam output to 75 milliamperes.

Many people have contributed to the successful life of this machine. It must be very satisfying for those who constructed and operated this machine that its useful life will continue on the other side of the continent.

After the final shutdown at BNL on April 26, Accelerator Department Chairman Fred Mills launched a going-away party for the machine with a bottle of champagne and the well wishes of the entire group that had worked with the linac for the past 11 years.



A bottle of Champagne launched by Accelerator Department Chairman Fred Mills smashes against the side of the linac a few moments after shutdown.

IAEA Position Open

First Officer, Budget and Finance, 2 years, Vienna: Under the supervision of the Chief, Finance and Accounts Section, to be responsible for keeping or supervising the maintenance of the Agency's records of accounts including the preparation of final accounts, statements and reports. Further details are available from the Office of Scientific Personnel, 40 Brookhaven Ave.

Excess Property For Sale

One (1) Harris Offset Printing Press and one (1) Ortman-McCain Offset Spray is being offered for sale. All those interested contact N. Masciopinto on Extension 7598.

50-MeV Linac to Berkeley



Old friends of the 50-MeV linac of the Brookhaven AGS gather for a celebration and farewell party after the machine was shut down on April 26. The injector will be disassembled and moved to Berkeley to replace the present 20-MeV injector at the Bevatron.

FAS Meets Monday

The Brookhaven Chapter of the Federation of American Scientists will meet at lunchtime in Room "A" at the Cafeteria on Monday, May 10th. The BNL Chapter has been authorized to spearhead the drafting of a position on the production and use of energy for national adoption by the Federation.

Local chapter members are also developing a position on science policy in collaboration with other FAS chapters. The Chapter meetings are open to all interested persons.

TIAA-CREF Changes Permitted This Month

Every year, during the month of May, participants in the A.U.I. Retirement Plan may request that the apportionment of their and the Laboratory's contributions between TIAA and CREF be changed. Such changes are effective the July 1st following the change request.

Participants who have previously applied all contributions to TIAA, the fixed annuity program, may apply as much as 75% of subsequent contributions to CREF, the variable annuity program. Conversely, participants may also reduce or terminate contributions to CREF and increase their TIAA contributions accordingly. Any such changes will affect only future contributions and will have no bearing on accumulations in either TIAA or CREFF up to the effective date of the change.

Change forms and further information regarding the A.U.I. Retirement Plan may be obtained by calling Personnel Services, Extension 2106.

Biology Symposium Set For June 7-9

Evolution of Genetic Systems will be the title of the 23rd Annual Symposium sponsored by the BNL Biology Department.

The conference, which draws scientists from all over the world to Brookhaven in the summer of each year, will start on Monday, June 6, and will end in the late afternoon of Wednesday, June 9.

It is expected that 18 papers will be presented at the six sessions of the symposium. Dr. H.H. Smith of the Biology Department will be Chairman of the Symposium committee, assisted by H. J. Price, A.H. Sparrow, F.W. Studier and Joseph D. Yourno.

It is expected that over 250 biologists will attend. Deadline for registration for this symposium is May 14, 1971.

Hall To Speak In Center Moriches

Charles Hall, ecologist at Brookhaven National Laboratory, will lecture on the energy flow of nature and man. The title of his lecture will be "The Solution to Pollution is Not Dilution."

Dr. Hall will be speaking on Wednesday, May 19 at 8 p.m. in the All Purpose Room of the Center Moriches Elementary School on Montauk Highway just in back of the Center Moriches Public Library. Parking is available in back of the Library with the entrance by the side door of the school plainly marked by signs.

The lecture is sponsored by the Central Suffolk Environment Action Group, and is open to all members of the community.

Blood Program Set For BNL At End Of June

"Hey, there! You, with the blood in your veins. . . ." is the way a booklet issued by the Greater New York Blood Program addresses new donors.

Starting on June 29th, there will be hundreds of new donors at Brookhaven National Laboratory when the Bloodmobile comes to the Lab to collect blood for BNL's newly-formed "blood bank."

Negotiations have been completed with the Greater New York Blood Program for Brookhaven employees, their families, and their close relatives to get unlimited amounts of blood at no cost whenever it is needed.

The Brookhaven Blood Program will cover all employees of the Lab whether they have donated blood or not, and will cover the employee, his spouse, his dependent children, his parents and parents-in-law, and his grandparents and grandparents-in-law.



Allan F. Henderson, Executive Director of the Suffolk County Chapter of the American Red Cross (right) presents a Certificate of Participation in the Blood Program to Deputy Director George Vineyard.

The present cost of blood is as high as \$50 a pint in Suffolk County, and there is a processing fee of \$17.50 a pint. Under the Blood Program, there is no charge for the blood, and the processing fee is paid by the employee's group medical insurance.

Every employee, with a few exceptions is eligible to donate blood. Those who cannot donate may get a substitute donor and still feel like a direct participant in the program.

Donating blood is safe and easy as well as painless, and takes less than a half hour. The pint of blood that you donate is replaced by the body in its fluid content in 24 hours, and the red blood cells are completely back to normal in eight weeks. A normal healthy person can donate blood four times a year.

Those who are restricted from giving blood are those with a history of hepatitis or malaria, pregnant women, and those whose condition is not up to par at the time of a physical examination before drawing the blood.

After giving blood, the donor will be mailed a card bearing his blood group and Rh type. This is a very valuable identification for people with rare blood types.

The blood that is collected on June 29 and 30 will be enough to supply the needs of all of Nassau and Suffolk Counties for the July Fourth weekend. Your donation at that time might save the life of a friend or neighbor as well as your own.

According to Alf Christoffersen, Coordinator for the Brookhaven Blood Program, circulars and pledge forms will be distributed to all employees this week.

Pledges will be received during the entire month of May, and after June 7, appointments will be arranged for donors going to the Bloodmobile on June 29 and 30.

Blood Program Starts



Blood Program Coordinator Alf Christoffersen (center) collects pledge cards from Deputy Director George Vineyard (left) and Assistant Director Vincent O'Leary.

Donald D. Van Slyke,
Noted Scientist, Dies

Dr. Donald Dexter Van Slyke, internationally renowned biological chemist, died on the evening of May 4 of cancer at the home of his son in Garden City, Long Island. He was 88 on March 29, 1971. Up until late last year, he was still active in his position as Senior Scientist, Emeritus, at Brookhaven and could be found almost daily working at the Medical Research Center.

Dr. Donald D. Van Slyke, the son of a distinguished chemist, was born in Pike, New York, in 1883. After receiving his Ph.D. degree in Chemistry from the University of Michigan in 1907, he joined the staff of the Rockefeller Institute for Medical Research. He worked there until his retirement in 1948. He then moved to BNL where he organized the Departments of Biology and Medicine, while serving as Assistant Director for Biology and Medicine until 1951.

From 1951 to 1956 Dr. Van Slyke served Eli Lilly and Company as Counselor for Research Grants on a part-time basis. During this period he continued at Brookhaven his studies on collagen and on the determination of carbon and of carbon-14. He also directed the Clinical Chemistry Laboratory and, in 1956 resumed full time research as Senior Scientist, Emeritus, a position in which he was active until shortly before his death.

Dr. Van Slyke's cardinal discoveries in the fields of chemistry, physiology, and medicine were admired throughout the world. In 1925, a committee of the American Chemical Society singled him out as one of 39 Americans who had ever attained the greatest eminence in Chemistry. He received eight honorary degrees, the first

in 1925 from Yale University and the last in 1970 from the University of Ulm in Germany. He held honorary memberships in thirteen foreign scientific Societies and Academies and six American, including the National Academy of Sciences and the American Philosophical Society. He was awarded five foreign decorations.

From 1914 to 1924 he was managing editor of the Journal of Biological Chem-



istry. From 1920 to 1922 he was President of the American Society of Biological Chemists; from 1927 to 1928, President of the Harvey Society of New York; from 1940 to 1947, President of the American Bureau for Medical Aid to China; in 1949 he was Honorary Vice President of the First International Congress of Biochemistry held in Cambridge, England; in 1957, Honorary President of the International Congress of Clinical Chemistry held in Stockholm, Sweden; and in 1969 Honorary President of the VIIth Congress of Clinical

Chemistry held in Geneva, Switzerland.

Dr. Van Slyke was the recipient of at least 14 national and international scientific awards. Included in these were the coveted Willard Gibbs Medal from the American Chemical Society in 1939; the Kober Medal from the Association of American Physicians in 1942; the First Van Slyke Award in Clinical Chemistry from the American Association of Clinical Chemists in 1957; the First Scientific Achievement Award of the American Medical Association in 1962; and the National Medal of Science of the U.S., which was given to him personally by President Johnson in 1965.

Dr. Van Slyke was the author or co-author of six books (one was being completed at his death), and over 475 scientific papers on work conducted by him and his students.

In the medical field he conducted extensive research in the application of chemistry to clinical and investigative medicine. He is perhaps best known for his classical studies on acidosis which revolutionized the treatment of diabetes; for his long-term studies on kidney disease; and for the famous textbook "Quantitative Clinical Chemistry" by Peters and Van Slyke used by legions of medical students and biochemical investigators throughout the world. His scientific contributions, however, spanned the fields of amino acid and protein chemistry; the kinetics of enzymes; the chemistry of blood gases, of electrolytes and of lipids; the acid-base balance of the body; and the function of the kidney, whether normal, diseased, or in a state of shock. For each of these fields, Dr. Van Slyke devised new analytical methods which alone constitute an important scientific contribution. His manometric techniques in particular are widely used in the determination of blood carbon dioxide and carbon-14.

Dr. Van Slyke's first wife, Rena Mosher, died in 1948. Their two children are Dr. K. Keller Van Slyke of Garden City, New York, and Elsa Van Slyke of Wilmington, Delaware. He is survived by his second wife, Else von Bardenfleth-Brock, his children and four grandchildren, Linda Lee, Donald Dexter II, Peter King and Paul Keller Van Slyke.

Last respects may be paid at the O.B. Davis Funeral Home on Nesconset Highway (Rte. 347) in Port Jefferson Station, Long Island, N.Y. on Thursday from 2:00-5:00 p.m. and 7:00-10:00 p.m. Funeral services will be held on Friday, May 7, at 11:00 a.m. at the Presbyterian Church in Setauket, Long Island. Interment will be on Saturday, May 8, at Geneva, N.Y.



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NORBERT J. DERNBACH
Public Relations Officer

Letters
To The Editor

Dear Sir:

On behalf of the Graduate School of Journalism at Columbia University, I'm pleased to thank Brookhaven for the excellent field trip arranged for our R/W science writing seminar on April 22-23.

We were particularly delighted with the arrangements made to enable the young science writers to become involved in experimental work, and to spend a morning with a working research team.

It is hard to tell how many of the young journalists will now concentrate their efforts on science writing in coming years, but even those who stay in "straight" journalism will now have an invaluable background to help them understand science stories.

Kenneth K. Goldstein,
R/W Science Writing Seminar

Dear Sir:

My children and I wish to express our gratitude to the many members of the staff of Brookhaven National Laboratory for their kindness and expressions of sympathy after the death of my husband, Jack Chernick.

Norma Chernick and
Irene, Michael and Julian

Dear Sir:

Saturday, May 1st, a fine young man was crushed to death under a tractor in Florida.

Last year Dave Papa and Bob Carter left BNL to cut out a new life for themselves and their families in Florida. They were close friends with similar interests. The main interest was to start a trailer camp.

While driving a tractor with an uprooted tree in tow, the vehicle up-ended itself and crushed Bob to death.

Bob's wife Penny and their two children Judy and Marian are in desperate need of assistance.

Those who knew Bob, or anyone else who wishes to send something may do so direct by mailing to Mrs. Robert Carter, c/o Mr. Dave Papa, Route 8, Box 6485, Brooksville, Florida, or find some way of getting a contribution to Howard Fales, Automotive Shop, Bldg. T-423. Howard Fales

Weekly Calendar

Friday, May 7	
Particle Physics Seminar	11:00 a.m., Seminar Rm., 20 Penn. St.
An Experiment at the Bottom of a Hole	
M. Schwartz, Stanford University	
Tuesday, May 11	
Biology Seminar	11:00 a.m., Biology Library, 50 Bell Ave.
Cytochrome c: The Structure and History of a Protein	
Richard E. Dickerson, California Institute of Technology	
Medical Department Seminar	3:00 p.m., Seminar Room, 30 Bell Ave.
Radioactive Chelates and Their Applications in Nuclear Medicine	
Fazle Hosain, D. Phil. (Oxford); Assistant Professor, The Johns Hopkins Medical Institutions	
Wednesday, May 12	
Chemistry Seminar	3:30 p.m., Chem. Seminar Rm., 33 Lewis Rd.
Mechanisms of Synergic Solvent Extraction	
Harmon L. Finston, Brooklyn College	
Thursday, May 13	
Particle Physics Seminar	11:00 a.m., Sm. Seminar Rm., 20 Penn. St.
Cosmic Ray Results on Proton Interactions above 100 GeV	
L.W. Jones, University of Michigan	
Friday, May 14	
Nuclear Physics Seminar	2:00 p.m., Sm. Seminar Rm., 20 Penn. St.
Heavy Ion Transfer Reactions	
B.G. Harvey, Lawrence Radiation Laboratory, University of California	
Tuesday, May 18	
Biomedical Engineering Seminar	1:30 p.m., Chem. Seminar Rm., 33 Lewis Rd.
Population Dynamics	
G.J. Dienes, Physics Department, Brookhaven National Laboratory	
Medical Department Seminar	3:00 p.m., Seminar Room, 30 Bell Ave
An Introduction to Aqueous Radiation Chemistry	
Harold A. Schwarz, Chemistry Department, Brookhaven National Laboratory	
Wednesday, May 19	
Theory Seminar	2:00 p.m., Sm. Seminar Rm., 20 Penn. St.
A Model for Pomeron Couplings	
M.B. Green, Institute for Advanced Study	
Chemistry Seminar	3:30 p.m., Chem. Seminar Rm., 33 Lewis Rd.
Infrared Spectroscopy of Condensed Phases of "Simple" Molecules	
Ralph Steinhardt, Hollins College	
Brookhaven Lecture Series (No. 102)	8:00 p.m., Berkner Hall, 11 Brookhaven Ave.
Meristomatic Mystique or the Mysteries of Mitosis	
J. Vant Hof, Biology Department, Brookhaven National Laboratory	
Thursday, May 20	
Biology Seminar	11:00 a.m., Biology Library, 50 Bell Ave.
Exploring the Limits of Resolution and Capacity in Zonal Centrifugation	
C.A. Price, Rutgers University	
Particle Physics Seminar	3:30 p.m., Sm. Seminar Rm., 20 Penn. St.
Results on the A ₂	
H.R. Blieden, State University of New York at Stony Brook	
Friday, May 21	
Nuclear Physics Seminar	2:00 p.m., Sm. Seminar Rm., 20 Penn. St.
Simple Reaction Mechanism in Neutron Capture	
R. Chrien, Physics Department, Brookhaven National Laboratory	

Student Research



(above)

Proton-antiproton reactions in a bubble chamber are the subject for discussion between Lenard Mayweather (left) of Talladega College and George Kalbfleisch of the BNL Physics Department. Mayweather is a senior at Talladega and hopes to attend Rensselaer Polytechnic Institute when he graduates.

(right)

Ozie McClean, a biology major from Jarvis Christian College in Hawkins, Texas, and her Brookhaven advisor, Marion Le Fevre of the Medical Department examine one of their research subjects. Mrs. McClean and her advisor work with dozens of common water turtles in research on tissue swelling.



Al Oltmann Retires



Al Oltmann

Adolph Oltmann, Design Engineer, is an old timer at Brookhaven, having been employed here since 1948. After four years in the Central Design Group, he was named Supervisor of the Design Section of the Engineering Division of the Department of Applied Science, where he served continually since 1952.

In addition to supervision of general design work over these many years, he became an expert in design and development of gamma sources, gamma irradiators for HIRDL and the AEC, and rendered valuable assistance to the AEC and other users of these irradiators.

Many of the members of the Mechanical Engineering Division have worked under Mr. Oltmann and will remember him for the fairminded and patient teaching they received as they developed their skills in the design field.

After his retirement on April 30, Mr. Oltmann intends to take a well-earned rest for a few months before getting into anything new.

Bowling Awards Night
Pre-empts Normal Gym Activities

Due to the Bowling Awards Evening on Saturday, May 15th, the Gymnasium will be closed for activities from Friday, May 7th at 9:30 p.m. through Tuesday, May 18th at 5:00 p.m.

Mountain Club

The BNL Mountain Club will meet on Tuesday, May 11. Come to the Recreation Building Lounge at 8:00 p.m. Bring your winter trip slides and thoughts for spring and summer trip plans.

Cafeteria Menu
Week Ending May 13, 1971

Friday, May 7	
Manhattan Clam Chowder	
Deep Fried Filet of Sole w/French Fries & Tartar Sauce	.90
Sliced London Broil w/Mushroom Sauce & 1 Veg.	.90
Broiled Halibut w/Lemon Butter & 1 Veg.	.90
Monday, May 10	
Chicken & Rice Soup	
Round Roast of Beef w/1 Veg.	.85
Chicken Patties w/Cream Sauce & 1 Veg.	.80
Rolled Stuffed Cabbage w/1 Veg.	.80
Tuesday, May 11	
Vegetable Soup	
Franks w/Baked Beans & Mashed Potatoes	.80
Veal Pattie Parmigiana w/1 Veg.	.85
Chili Con Carne on Rice w/Tossed Green Salad	.80
Wednesday, May 12	
Cream of Tomato Soup	
Baked Stuffed Pepper w/1 Veg.	.85
Ham Steak Hawaiian w/Pineapple Ring & 1 Veg.	.85
Fish & Chips w/Tartar Sauce	.75
Thursday, May 13	
Beef Barley Broth	
Pot Roast of Beef a la Mode w/1 Veg.	.85
Baked Chicken, Rice & Mushrooms	.80
Manicotti w/Meat Sauce & Tossed Green Salad	.80

The Incredible JCAE
& Other Funny Stories
At Next NY-ANS Meeting

Craig Hosmer, Congressman from California, and member of the Joint Committee on Atomic Energy since 1958, will speak on "The Incredible Joint Committee on Atomic Energy and Other Funny Stories" at the next meeting of the New York Metropolitan Section of the American Nuclear Society.

As a leading minority member on the JCAE, Mr. Hosmer has attained considerable renown for his thorough knowledge of nuclear matters. His up-to-date commentary on the nuclear scene will be very worthwhile, if previous performances are any indication.

Instead of at the usual second Tuesday luncheon meeting, Representative Hosmer will speak at a dinner meeting to be held at the Chemists Club, 50 East 41st Street (between Madison and Third Avenues), New York City, next Tuesday May 11. Cocktails will be served from a cash bar starting at 5:30 p.m. and dinner at 6:15 p.m., priced at \$8.00.

Everyone interested in hearing what Congressman Hosmer has to say is welcome. Reservations can be made by calling ANS Program Chairman Jerry Halverson at 212-695-5344.

Cooking Exchange

The next meeting of the Cooking Exchange will be held from 3 to 5 p.m. on Thursday, May 13, in the apartment area recreation building. The cooking demonstration will feature meat and fruit.

A fee of \$.75 will be requested from each adult to defray costs of the demonstration and the babysitters.

Pajama Game



Members of BNL are well represented in the forthcoming production of *The Pajama Game* which is being put on by the Bellport Playcrafters. The hit musical opens at the Bellport Senior H.S. on May 7 running May 8, 14 and 15, with a special Mother's Day matinee on May 9. Seen here in acting and production roles are: (l to r, bottom row) J. Nardi, B. Lomonosoff, H. Frazer, C. Zavesky, L. Zavesky, M. Losquadro, L. Adams, M. Binnington, B. Roush; (l to r, top row) N. Sutin, B. Marr, S. Lowell, G. Campbell, P. Gould, E. Gould, B. Kropp. For ticket information, call Ext. 7243.

The Water's Fine
— Come On In!

Admission to the Laboratory after 5 p.m. to use the swimming pool and the gym is restricted to employees, family members, and their guests.

Employees who accompany their guests or members of their family, need only to identify themselves to the guard at the main entrance gate. Family members who are not with an employee should have either a Season Pool Pass, or be in possession of a temporary identification card issued by the Security Office.

Getting a temporary identification card for family members over 13 years of age is a simple procedure. An employee can stop at Security any time and fill out the card upon presentation of proper identification. Youngsters under 13 will have to be accompanied by an adult in any case.

After 5 p.m., admission to the Lab is only through the main gate, and the gym and pool are open only during weekdays.

Schedule Changes At
Pool And Rec. Building

Starting the week of May 17th, the following revised schedules will go into effect:

Swimming Pool	
Monday through Friday	
12:00 noon – 1:30 p.m.	Employees Only
5:00 p.m. – 9:30 p.m.	Employees/Families/Visitors

Admission prices remain the same at 50¢ each for employees and family members and 75¢ for visitors.

An employee is permitted to bring with him 5 visitors each visit.

Recreation Building	
Tuesday, Wednesday, Thursday	
5:00 p.m. – 10:00 p.m.	

Selected Reading

- New Scientist & Sci. J. 50, April 8, 1971
Science and technology approach year 2000. S. Rosen. 76-9
Man tomorrow. G. Chedd. 92-3
Science 172, April 23, 1971
The General Scientific Association: A bridge to society at large W. Bevan. 349-52
National Research Council (II): Answering the right questions. J. Walsh. 353-7
Phosphate replacements: Problems with the washday miracle. A.L. Hammond. 361-3
Sat. Rev. 54, May 1, 1971
Environment repair: The U.S. Army Engineers' new assignment. J. Lear. 47-53
The Erchwon machine - possibilities for reconciling goals by way of new technology. Remarks by Dr. Glenn T. Seaborg, Chairman, U.S. Atomic Energy Commission, at a forum on Energy, Economic Growth and the Environment sponsored by Resources for the Future, Washington, D.C., April 21, 1971. U.S. Atomic Energy Commission Press Release No. S-7-71, April 21, 1971.

Soccer

K. Batchelor
Southampton College 3 BNL 1
On Saturday, April 24th, BNL visited Southampton for the first game of the 1971 soccer season. The result was victory for the college team by a score of three goals to one.

BNL started fast and quickly forced two corners and created a number of scoring chances, but it was Southampton that went ahead with a goal by their star center forward Nzinaro. After this reverse to BNL, the play moved back and forth with chances being created by both teams with BNL showing good team work but poor finishing and with Southampton acting more as individuals. Then the BNL defense was slow in clearing the ball from their own penalty area which allowed Southampton to scramble the ball into the net after three attempts for their second goal. Shortly afterward, Southampton scored again with a hard shot through a crowd of defensive players from the edge of the area. Thus, the half time score was 3 to nothing for Southampton.

In the second half, BNL continued to play well together with the defense having a tighter hold on the Southampton forwards with R. Pfister at fullback playing a strong defensive game. The BNL forwards were moving well and opened up the Southampton defense on numerous occasions to finish by shooting at the goalkeeper or wide of the goal. Finally, Preece, who had come near to scoring on several occasions, put in a fine shot which the goalkeeper could only parry and Preece, following up, forced the ball home for BNL's only score. Just as the final whistle blew, a fine shot by Preece was pushed over the bar by the Southampton goalkeeper. Thus ended a game in which BNL was the loser largely due to missed opportunities in an even match territorially.

Soccer practice games are now held every Monday evening at 5:15 p.m. at the soccer field. All experienced or inexperienced players are welcome and if the weather is bad, the practice will take place in the gymnasium.

Bowling News

Grace Fales

Last week was the official conclusion of this year's bowling with the annual Sweepstakes event followed by a buffet. All in all it was a pleasant evening, with the following Sweeps winners.

Red League
Skelly Frei came out best with his 846 gross series, Joe Ferrante with his normally good style took second with his 835, and Don Cassidy placed third with 833. Nick Combatti took high individual game with 245.

Green League
R. Larsen won high gross series with 868, followed by R. Lingg in second with 865, and J. Lee with 846 for third. High gross game went to J. Baer with a 244.

Pink League
Grace Fales took first with an 870 gross series (high for all Leagues), followed by Mary Austin's 824, and Lynn Kalbach with an 815. High gross game went to Renie Rosati with her 259. No roll-offs in the Pink League – Good luck to the Hopfuls in their "Round Robin Tournament." **Reminder** – Don't forget, come on down to Port Jeff Bowl on Saturday, May 8th at 2 P.M. and root for your favorite team.

Arrivals & Departures

Arrival	
Richard M. Lindstrom.....	Chemistry
Departures	
Judith Buchholz.....	Medical
Richard F. Hotchkiss.....	Accelerator
Linda A. Hunt.....	Purchasing
John M. Nicoletlis.....	Accelerator
Adolph Oltmann.....	Mech. Engrg.
Eugene S. Ormandy.....	Central Shops
Larry L. Ratcliff.....	Staff Svcs.
Dingness J. Verschuure.....	Chemistry
Frederick E. Wallenquest.....	Reactor
Emanuel J. Zinna.....	Mech. Engrg.

Classified
Advertisements

Positions Available

The Brookhaven Bulletin each week will list job openings which have come to our attention and may be of interest to Lab employees. Each listing will be repeated (if still available) only once.

ENGINEER - With micro-electronics processing experience and semi-conducting systems experience. General Telephone & Electronics Laboratories, Bay-side, New York.

ELECTRICAL ENGINEER - To service, repair and design research lab equipment. Mt. Sinai Hospital, New York, New York.

MECHANICAL ENGINEERS (2) - With experience in heating, ventilation and air conditioning. Grumman Aerospace Corporation, Bethpage, New York.

SYSTEMS PROGRAMMER - M.S. degree in Computer Science; design formulation and implementation of complex operating systems and computer networks. Lawrence Radiation Laboratory, University of California, Livermore, California.

WELDING ENGINEER/METALLURGIST - B.S or M.S. degree in metallurgy, materials science or welding engineering. Lawrence Radiation Laboratory, University of California, Livermore, California.

CIVIL ENGINEER - Estimates Section, Design Branch, Engineering Division, Department of the Army, New York, New York.

SANITARY ENGINEER - Water supply studies. Planning Division, Special Studies Branch, North Atlantic Division, Department of the Army, New York, New York.

ENGINEERING DRAFTSMAN - Drafting Section, Design Branch, Engineering Division, Department of the Army, New York, New York.

ELECTRONIC ENGINEER - Mini-computers, interfacing. Zygo Corporation, Middletown, Connecticut.

MEDICAL TRANSCRIBER - To work from a dictaphone machine. Bayview Community Hospital, Mastic Beach, New York.

SUPERINTENDENT OF BUILDINGS AND GROUNDS - Central High School District No. 3, Merrick, New York.

ADDRESSOGRAPH OPERATOR - Full or part-time. Anthony Addressing Service, Patchogue, New York.

SALESMEN AND SALES MANAGERS - Connecticut General Life Insurance Company, Melville, New York.

PLANT SYSTEMS OPERATOR - Temporary position for six months. Job includes de-bugging of electrical and mechanical equipment. Vermont Yankee Nuclear Power Corporation, Rutland, Vermont. Call Robert Powell, extension 663, for further information.

STORE MANAGERS - Some basic bookkeeping helpful; ability to handle people. Mallory Restaurants, Suffolk and Nassau Counties.

ELECTRICAL ENGINEER - To work in facilities engineering department, power distribution, high voltage, etc. Minimum eight years' experience. Gruman Aerospace Corp., Bethpage, New York.

SALESMEN - Full training program. Mutual of New York, Westbury, New York.

DIGITAL ENGINEER - E.E. degree and three years' experience. Grumman Aerospace Corporation, Bethpage, New York.

SIMULATION ENGINEER - E.E. degree and two years' experience. Grumman Aerospace Corporation, Bethpage, New York.

CIRCUIT DESIGN ENGINEER - E.E. degree and two years' experience. Grumman Aerospace Corporation, Bethpage, New York.

SALESMAN - Prudential Insurance Company, Smithtown, New York.

SENIOR SYSTEMS AND PROGRAMMING MANAGER - To head up all application systems and programming; converting from IBM system to new RCA-3 equipment. Hofstra University, Hempstead, New York.

CHIEF OF BUILDINGS ENGINEER - Maintenance, etc. Veteran's Adm nistration Hospital, Northport, New York.

ACCOUNTING CLERK - Clerical typist with training in bookkeeping. General Telephone & Electronics Laboratories, Bayside, New York.

DIETICIAN - Licensed; some experience. Bayview Community Hospital, Mastic Beach, New York.

INDUSTRIAL ENGINEER - B.S. in industrial engineering; 2-3 years' experience in manufacturing, including cost reduction, work simplification and methods. General Instrument Corporation, Hicksville, New York.

SALESMEN (10 NEEDED) - Part or full-time for Cutco Division of Alcoa. All areas of Long Island. Absolutely no canvassing involved. Apply care of BNL Personnel Office.

METALLURGIST - B.A. or M.A. in metallurgy or material science. General Telephone & Electronics Laboratories, Bayside, New York.

TECHNICAL TYPIST - Knowledge of scientific terminology. General Telephone & Electronics Laboratories, Bayside, New York.

MECHANICAL ENGINEERS - With background in isotope shielding analysis and job estimation. Radiation International, Parsippany, New Jersey.

COOK - With some experience. Woodhaven Adult Home, Port Jefferson Station, New York.

SURVEY BOAT OPERATOR - New York District, Department of the Army, New York, New York.

TYPIST/CLERK - Department of the Army, New York, New York.

CLERK/STENOGRAPHER - Department of the Army, New York, New York.

CIVIL ENGINEERING TECHNICIAN - Department of the Army, New York, New York.

CIVIL ENGINEER - Secaucus Area, Department of the Army, New York, New York.

For further information, please contact Employment Supervisor Ext. 2109 or 2513.

Autos & Auto Supplies

66 CHEVY CORVAIR MONZA CONV - Yellow/blk top, 6 cyl auto, r/h, new alternator, regulator, w/w, 33,000 mi, very clean. \$500. R. Farmer, 281-7720 after 6.

68-½ TON GMC PICKUP TRUCK - Excel cond, 396 eng, 4 bbl carb, air cond, r/h, ps/pb. \$2100. P. Wilson, 475-4091.

69 VOLVO 142-S - Blue, std trans, 2 extra wheels, radio, must sell. \$1700. 732-5271.

64 CADDY LIMO - Good cond, want to get a new car. Pete's Limo Service, 732-7625 after 4.

68 FORD LTD STATION WAGON - 302 cu in, auto trans, ps/pb, 10 psgr, excel cond. \$1950. Ext. 7617.

2 TIRES - 8.25x15 new, about 400 mi on ea. \$20 ea. JU8-4229.

68 CORVETTE - 2 tops, 427, tri-pwr, close ratio, posi, am/fm radio, br green. M. Capozzoli, 822-5845 after 5.

65 SAAB - Asking \$200. K. Fuchel, Ext. 2446.

65 CHEVY SS - 283, good cond, 5 new tires, good motor, new fuel pump, new batt. \$500. Bob, Ext. 7675.

60 TRIUMPH TR3 CONV - \$200. C. Pukit, Ext. 2950.

VW - '62 w/'65 eng, excel running cond, good body no rust, r/h, tires. \$550. Ext. 322.

61 MGA - New top, many new parts, good running cond, extra tire. 475-7076 after 5:30.

66 FORD FAIRLANE 500 - Ps, auto trans, 40,000 mi, new brakes, new batt, new snows, excel cond. \$975. Artie, Ext. 565.

65 CORVETTE - 4 spd, 327 cu in, 350 hp, new disc brakes, top, batt & poly-glass tires, am/fm radio. \$2000. 286-9607.

69 VW CAMPER - Pop-up top. \$2500. A. McNerney, Ext. 7821.

57 VW - Eng poor, body fair, runs. James, Ext. 7235.

HOT ROD - 1923 T-bucket, 392 hemi, Chrysler hydro trans. 475-4459 after 6.

69 VW - Blue, auto trans, am/fm radio, heater, excel cond. \$1550. 589-3454.

65 MUSTANG - Hit in left rear, parts avail for sale; also 8.55x14 rim for Olds. Ext. 2814.

61 FALCON - Std trans, good rubber, 87,000 orig mi, needs int work. Asking only \$75. Ben, Ext. 2591.

63 RAMBLER AMERICAN - Runs, current inspection. \$50. Whitten, Ext. 7363.

69 TOYOTA CORONA - 2 dr hdtp, auto trans, r/h, new w/w tires, reverb, clean. \$1175. Ext. 454, 234-6306 after 6.

65 BUICK SKYLARK GRAN SPORT 400 - 4 spd tape player, mags, new tires, good cond, clean. Paul, 286-8544.

70 MG MIDGET - Good cond, am/fm radio, reasonable. Pat, 212-HY9-8251 eves.

57 CHEVY HDTF - V8, auto trans, ps, pw, needs some work, best offer. 588-1566.

67 ROYAL ENFIELD - 750 cc, helmet. \$675. LT9-3269.

MOTOR HOME - 23' Explorer, sleeps 6, fully self contained, ps/pb, low mileage, extras, like new. HR3-2349.

Boats & Marine Supplies

6½' FIBERGLASS PRAM - W/oars, dbl keel, good cond. \$50. 281-9564.

ACQUA-CAT CATAMARAN SAILBOAT - Fiberglass, dacron sail, blue & white, some stainless steel fittings, needs canvas deck, masthead float, aqua pouch. \$450. Ext. 7353, 587-9372.

8' PRAM - W/4 hp Evinrude eng (1970), hardly used. \$200. EM3-6538.

14' LUGGER - Jerry, 281-5289 after 4.

21'6" INBOARD - 65 hp, draft 3', sleeps 2, head, sink, anchors, life jackets, just painted, ready for water, bought new boat, must sell. \$1800. 751-0669.

15' RUNABOUT - 25 hp Evinrude, Little Dude trailer, excel, all extras, must sell. Charlie, Ext. 2340.

BOAT TRAILER - Rocket 1967, tilt bed, 1000 lb cap. Ext. 2814.

SAILBOAT - Town class 16', w/dacron sails. P. Fallon, Ext. 2718.

40 HP JOHNSON MOTOR - New w/controls. Ext. 2704, 878-2510.

20' FIBERGLASS CRUISING SLOOP - Signet 20, sleeps 4, fully equipped, 4 bags of sails, many extras, good buy. Ext. 2993, 744-9436.

REGULATION - Power Squadron port & starboard bow, insignias chrome on copper, new. \$5. T. Honnett, Ext. 7444.

BORAM 22' CABIN CRUISER 1963 - Sleeps 4, head, galley, new full vinyl morse control '67 Evinrude 80 hp. \$1150. Cozine, 288-9752.

PENBO - 19', cabin, 35 hp Evinrude, extras. \$650. 744-2992.

Miscellaneous

67 APACHE BUFFALO - Sleeps 6, dinette, built-ins, canopy & spare, fine cond. \$650. Phil, Ext. 2585, JU1-5959.

SULTAN ELEC HOT TRAY - Never used, \$5; kitchen cannisters, 4 blue, \$3; ice crusher, elec, \$10. Barbara, 286-8633.

APACHE TENT CAMPER - Very good cond. \$350. Wild, 281-3655.

SIAMESE KITTEN - Male Seal point. \$15. Linda, Ext. 6262.

ALUM PIPE - Ravit brand, 2", 7-20' lengths. F. McKay, 727-3249.

ST BERNARD PUPPIES - AKC, choice of several males & females. \$150 & up. Ext. 418, 732-2204 after 5.

WINDOW FAN - Sears Homart, lg 20" pulley type, in very good cond. \$18. Al, Ext. 2347, 273-5574 after 5.

BEDRM SET - Cherry wood, dbl bed/bookcase, 2 end tables, triple dresser, chest of drawers, mirror. \$175. 924-8462.

LHASA APSO AKC PUPPIES - Wonderful children's pets, beautiful coats & colors, health guaranteed, free grooming & show training info. \$200. WA1-6137.

BABY SUPPLIES - Headstrom top-of-line carriage w/wind protector, matt, sheets, converts to car bed, excel cond, \$18; bathinette, \$12. Joan, SH4-3919.

FREE - 100 yr old barn & house which can be taken away piecemeal or intact, huge old beams. C. Hull, Ext. 7420.

UNITED REFRIG-FREEZER - Lg size. Asking \$75. 727-0075.

HOUSE - Built for houseboat, 13'x8' w/7' ceiling, relocate as panels or intact. \$200. Ext. 7781.

TYPEWRITER - Royal Std manual, pica, good cond. \$40. Ext. 7761.

OLD FR PROVINCIAL - Newly reupholstered, white satin sofa & 2 chairs, 1 white, 1 gold, 2 end tables. \$200. 281-7116.

MAPLE COLONIAL SOFA-BED - Scotchguard, chair w/coffee table, 7 wks old. Paid \$250, asking \$180. 281-7116.

MOD DIN RM SET - Walnut finish, w/4 chairs & leaf, 7 wks old. Paid \$150, asking \$100. Owner leaving for France, must sell all. 281-7116.

VINTAGE RADIO-PHONO CABINET - Scott, lg, solid mahog, fair cond, you haul, what am I offered? M. Dienes, Ext. 2235.

RCA 21" TV CONSOLE - \$25. Jim, 473-0288.

CHROME MINI BIKE - 3 hp Briggs & Stratton eng, front & back shocks, foot & hand brakes, good tires. \$80. EM3-6538.

FARFISA MINI-COMPACT ORGAN - Fender band-master amp, plus reverb. \$350. 475-1136.

ELEC GUITAR - Hagstrom 12-string, can use 6 or 12 strings, like new, w/case, \$60. A. Marino, Ext. 2573.

BABY CARRIAGE - Biltrite removable hard body, excel cond, best offer; baby car bed, good cond, best offer. Irwin, Ext. 2168.

OLD BOOKS - Old phonograph records, National Geographic magazines & foreign coins. O. Booker, Ext. 2411.

2 STAMP ALBUM BINDERS - Minkus Master Global, w/used sheets (no stamps), also unusual supplements 1958, 1960, 1961, 1962. \$5 for all. Plotkin, Ext. 7103.

STEINWAY UPRIGHT PIANO - \$75; 5 spd bicycle, \$15; 1 reg bicycle, \$5. 281-6763.

CRIB - Hardwood, old but mattress like new, \$10; wicker dressing table, top needs recovering. \$10. 744-3744.

HO TRAINS - 2 engs, cars, track, switches, many extras. C. Foelix, Ext. 2334.

AKAI TAPE RECORDER - Model X-1800SD; walnut cabinet, records & plays 8-track reels & cartridges, speakers & 2 microphones, like new. \$350. 744-1553 after 6.

LAWN MOWER - Hand push, reel type, very good cond. \$5. Willen, Ext. 7308.

AGFA SLIDE CAMERA - Model Agfa Ambi silette, 3 lenses, 1-4/35; 1-4,0/90; 1-2,8/50; carrying case/light meter incl. All for \$50. I.J. Muzinich, Ext. 7279.

STEREO AM/FM TABLE RADIO - Solid state Panasonic w/auto record changer, 2 speakers, excel cond. \$95 compl. Frank, 727-1278 after 5.

GARAGE SALE - May 7, 10 am-4 pm, household items, baby things, luggage, 120 Wedgewood Dr., Coram. 473-6370.

SEARS 20" GIRLS BICYCLE - Asking \$15. 286-3709.

GOLDEN RETRIEVER PUPPIES - AKC papers, whelped 4/8/71. \$75. 941-9282.

TELESCOPE - 6" reflector, mirror mount, tube, eyepiece, right angle finder, you assemble. \$45. Ext. 597, 286-0436.

MANGLE IRON - Excel cond. \$20. Ext. 297, 286-0436.

SEVERAL MODEL AIRPLANES - Gas-powered, free flight & line controlled, reasonable. Ext. 597, 286-0436 after 12.

BALDWIN TRANSISTOR AMPLIFIER - 80w, 15" speaker, 2 channel, portable. Cost \$225, sell \$125. Ext. 597, 286-0436.

FOR ADOPTION - Puppies, blk or white, Samoyed father, Labrador mother, even temperament, excel for children. Willen, Ext. 7308, 744-6423.

BABY CRIBS - \$5 & \$10; high chair, \$5; 2 bathinettes, \$2 & \$3; car crib, \$3; sterilizer, \$2.50; swingamatic, \$2. 727-1617

PORTABLE ELEC OVEN - \$5; kitchen set, wood grain formica table & 4 beige chairs, \$30; sm crib & mattress, 20"x36", \$3. 727-1617.

Real Estate

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

For Sale

PICTURESQUE CUSTOM COL RANCH - 3 bedrms, kitchen, 2 baths, din rm, fam rm w/fireplace, 2 car garage, bsmt, plus ex prop 126x200, have 5¼%, reasonable. 924-8462.

For Rent

4 BEDRM HOUSE - Bellport, 2 baths, TV-playrm, lg heated porch, Bay access by priv dock, avail late June. 286-8544.

3 RM APT - E. Moriches, near bay, quiet, pretty area. \$150/mo incl util. Don, Ext. 7266, 878-4165 after 8.

Wanted

GOOD HOMES - For part siamese kittens, pan trained, males, 1 grey w/white markings, the other solid grey. Call Whitey, Ext. 2179.

PEOPLE INTERESTED IN MINERALS - & mineral collecting to swap, field trip or just discuss. Plotkin, Ext. 7103.

POODLES, TERRIERS, SPANIELS - To groom in my home, reasonable & reliable. Tony, 924-8225.

HOMES - For 2 adorable kittens, 1 blk & white, 1 grey & white. 281-5289.

PETS - Going on vacation, will care for your pet by day/wk/mo, reasonable & reliable. Tony, 924-8225.

TREE REMOVAL - Will do tree removal, chain saw service, painting, grounds maint, etc. Bob, 732-9517.

SM CABIN-HOUSE - W/running water & elec for June thru Sept. Robert, Ext. 7198.

CONSERVATIONIST - To preserve 100-yr old barn & house, worth preserving as an historical monument, Freel C. Hull, Ext. 7420.

TYPING - To be done at home, reasonable. Billie, Ext. 2465.

CHAIN SAW WORK - Tree cutting, light hauling, trimming, clean-ups, done reasonably. 728-4481.

BABYSITTING - Mother will babysit at home in the Riverhead area. O. Booker, Ext. 2411.

BABYSITTING JOBS - Reliable woman will stay with your child in Bellport-Brookhaven area. 286-1256.

PERSONS INTERESTED - In forming BNL group or charter flights to Europe or West Coast. R. Horwitz, Ext. 2725, 212-275-0937 after 6.

HOME - For unpretentious alley cat, male, house-broken pacifist, owner splitting. Ext. 7266, 878-4165.

Carpools

PAYING RIDER - Wishes ride from Blue Point. J. Jackson, Ext. 2509.

DRIVER WANTED - To compl existing carpool from Exit 52 (or further west) on LI Expwy. Elliot, Ext. 2103.

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

PAYING RIDER - Needs ride from Jericho Tpke., in Selden area. Gail, Ext. 2341.

Lost & Found

FOUND - Crucifix in laundry basket at HFBR. Terry, Ext. 7130.

FOUND - Small sum of money outside cafeteria, owner can call E. Hunter, Ext. 2136, to identify.

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.

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(Name & Phone No. To Call)

Employee's Signature Life No. Ext.

Send to: Brookhaven Bulletin, 40 Brookhaven Avenue