



BROOKHAVEN BULLETIN

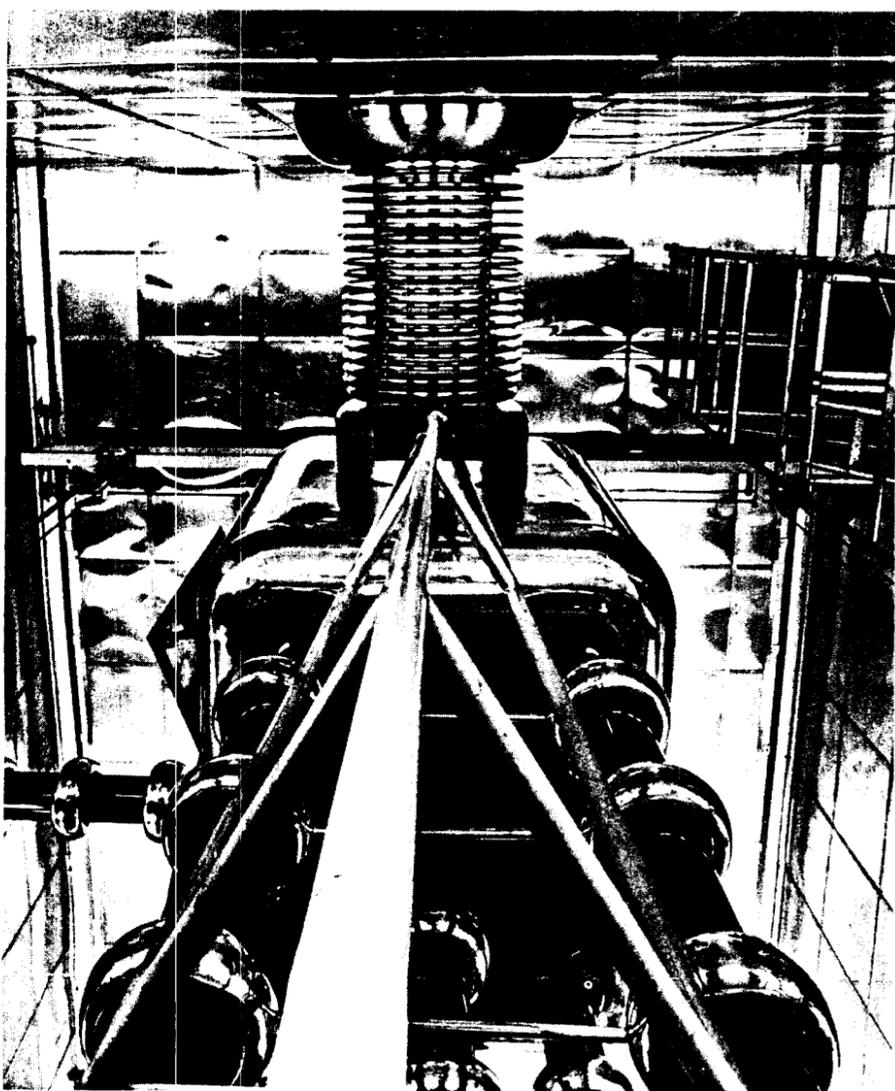
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Volume 24, Number 2

January 15, 1970

Short Column Tested In Place



A worm's eye view of the high-gradient accelerating column installed at the top of the Cockcroft-Walton generator at the 200-MeV linac. The entire room housing this high-voltage equipment is lined with aluminum.

—Humphrey

Short Column Assembled At New Linac

The high gradient accelerating column for the new linac being constructed as part of the AGS modification program, has been undergoing tests recently in conjunction with the newly-installed Cockcroft-Walton generator at the 200-MeV linac.

The "short" column is installed between the Cockcroft-Walton set and the linac drift tubes, and will direct the protons on their way into the AGS for acceleration to energies as high as 33 billion electron volts.

The column is constructed of a series of alternating ceramic and titanium rings held together by epoxy resins. The unit, which weighs approximately one ton must be precisely positioned near the top of the Cockcroft-Walton set each time it is removed for service or adjustment.

The C-W generator and the short column are housed in a three storey high pit at the west end of the new linac building. The entire inside of the pit is lined with aluminum sheets to produce the same effect as a shield over a radio tube. The pit is both dust proof and humidity controlled in order to prevent arcing of the high voltage from the 750,000 volt C-W generator.

When the new linac is in operation, the Cockcroft-Walton generator and the high-gradient accelerating column will be the prime source of protons for the Alternating Gradient Synchrotron.

Rathvon Named AUI Secretary

N. Peter Rathvon, Jr., Associate Legal Counsel of BNL and Assistant Secretary of AUI was named Secretary of AUI and Legal Counsel of BNL as of January 1, 1970. Rathvon succeeds Charles F. Dunbar, who retired on December 31 after serving as Secretary to AUI since January 21, 1949.

Peter Rathvon joined the staff of BNL in October of 1956 as General Attorney and became Assistant Secretary of AUI in January, 1964. Before coming to BNL, he was associated with the firm of Milbank, Tweed, Hope and Hadley, and had done legal work connected with the founding of the National Radio Astronomy Laboratory in Green Bank, West Virginia.

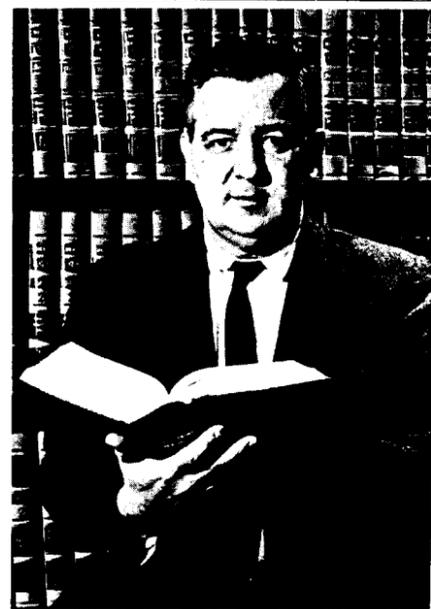
Born in Westchester County, Rathvon was educated at Yale University and UCLA before World War II. During the war, as a member of the USNR, he served as aerologist on an aircraft carrier in the Atlantic. After the end of the war, he went to Cornell Law School where he earned his law degree in 1948.

Peter and Sally Rathvon and their three children live in Setauket, where Mrs. Rathvon teaches in the Three Village School District.

Charles F. Dunbar came to BNL as Resident Legal Counsel in April, 1947. In January 1949 he was named Secretary to AUI, the position he has held ever since.

As Resident Legal Counsel of BNL, Dunbar was one of the signers of the first contract between the AEC and AUI for the operation of BNL. Previous to the signing of the first contract on December 23, 1947, the Lab had operated under a letter of intent from the AEC that was renewed every few months.

Mr. Dunbar will continue to serve both BNL and AUI during his retirement in the capacity of consultant.



N. Peter Rathvon, Jr.



Charles F. Dunbar

Electron Microscopy In Biology Research

Dr. Myron C. Ledbetter of the BNL Biology Department will describe the use of the electron microscope for biological research in the 89th Brookhaven Lecture next Wednesday evening.

"Microtubules: Organelles of the cytoplasm revealed by electron microscopy" is the title of Dr. Ledbetter's lecture.

This will be the first lecture in the Brookhaven series to be concerned chiefly with electron microscopy of biological material. The lecture will begin, therefore, with an explanation of the operation of the transmission electron microscope, its origin, requirements, and capabilities. Following this will be a discussion of microtubules as an example of a cytoplasmic structure investigated by electron microscopy. Microtubules appear to govern the direction in which cellulose microfibrils are deposited in walls of plant cells. The character of the wall is important in determining, in part, the function of the cell. In some animal cells the tubules exist as cytoskeletal elements thus determining cell shape. Cytoplasmic movements of several kinds, including chromosome movement, take place in conjunction with these tubular structures. Such movements occur along the

long axis of the microtubule. These relationships and the molecular architecture and composition of the microtubules will be discussed.



Myron C. Ledbetter

Myron C. Ledbetter was born in Oklahoma and received his undergraduate education in Oklahoma State University. He received his masters degree in Botany from Berkeley and his Ph.D. from Columbia University.

After graduation from Berkeley, he became Research Assistant in the Boyce Thompson Institute for Plant Research while doing his doctoral thesis at Columbia. In 1960 he became associated with the Rockefeller Institute where he learned techniques of electron microscopy.

In 1961 he went to Harvard University as Research Associate and stayed there until 1965 when he joined the staff of the BNL Biology Department as Cell Biologist.

Dr. Ledbetter will be introduced by Dr. William Siegelman, Chairman of the BNL Biology Department.

Alien Address Registration

During January of each year, every alien in the United States must report his address to the Commissioner of the Immigration and Naturalization Service. Alien address report forms are available at the U.S. Post Office, 2 Center Street.

Claude Monteux Gives Fifth BERA Concert

Claude Monteux, son of one of the world's greatest conductors, started his musical career at the age of four when he began studying the violin. At five, he shifted to the piano, and at six he started solfege with Paris Conservatory instructors.

After returning to the United States from France in 1937, he attended Black Mountain College and again played the piano. An accident to the tendons of his hand barred a career as a concert pianist, so he chose an orchestral instrument as an introduction to conducting, the field of his father, Pierre Monteux.

In 1939 he left college to spend three years studying flute with George Laurent, then soloist of the Boston Symphony. He played in Lewisohn Stadium under many conductors, and after a stint in the Army,



he was named solo flutist of the Kansas City Philharmonic. He left to become the assistant conductor of the Ballet Russe de Monte Carlo, and later returned to New York City and the flute.

He made his debut at Carnegie and performed with a number of orchestras and chamber groups. In 1959 he became the conductor of the Dutchess County Philharmonic, which later became the Hudson Valley Philharmonic.

Monteux has gained reknown as both a conductor and as a flutist. He plays more concerts, makes more records, and goes on more tours than most full time flutists. As a teacher, he has flute students at Vassar College, while at Peabody Conservatory he teaches conducting.

At the Fifth BERA Concert on Tuesday, January 20 in Berkner Hall, he will give a full concert accompanied by Marianne Monteux. Admissions to the concert at the door will be \$3.00 for adults, \$1.50 for children and \$3.50 for non-employees. The concert will start promptly at 8:30 p.m.

Cooking Exchange

The next meeting of the Cooking Exchange will be held on Thursday, January 22, from 3 to 5 p.m. in the Apartment Area Recreation Building. Casseroles will be featured in the demonstration.

A fee of 50¢ will be requested from each adult to defray the cost of the demonstration and the babysitters.

Judo Club

The BNL Judo Club has resumed its activities after the holiday recess.

Dollars and Sense

Ken Mohring

Income - Part II

Many of us will have income to declare for 1969 other than wages, interest, and dividends. This additional income may be in the form of rent, royalties, miscellaneous income, trusts, scholarships, fellowship grants, or business income.

Rent Income - Rents received from properties owned is income to the extent that "gross receipts" exceed "business expenses." If you rent 25% of your home, your business expenses would include 25% of the estimated yearly depreciation on your entire property, and 25% of other expenses which are attributable to your entire property (insurance, mortgage interest, property taxes). Expenses which are attributable entirely to the rented portion of your home would be deducted 100% (repairs, painting, plumbing, heating, etc.). Real estate agents' commissions payable for obtaining tenants are deductible in computing your net rent income.

Royalties - Income you receive from a literary work, or from a patent on an invention is includable in your gross income, less expenses (amortization, taxes, etc.) attributable to your income producing property.

Miscellaneous Income - The most common type of miscellaneous income is the State income tax refund. Most of us deducted State income taxes withheld during 1968 on our 1968 Federal income tax returns. If you followed this procedure and later received a refund from the State (during 1969), the amount of your refund is taxable income in 1969. Conversely, additional payments of State taxes in 1969 are an itemized deduction in 1969. Federal income tax refunds are not taxable income.

Trust Income - Trust income, taxable to a beneficiary, is determined by the trust agreement and by the type of trust income for the year. Generally, the same type of income (dividends, rents, etc.) produced by the trust is reportable by the beneficiary on his individual return. Distribution of trust income is usually on a taxable year basis; therefore, you must report the amount due you as income whether or not the amount

(Continued on Page 4)

French Group to Present Movies

The next meeting of the French Group, to be held Monday, January 26 at 8:30 in Berkner Hall, will feature a presentation of the film "Zero de Conduite" ("Zero for Conduct"). This movie was made in 1933 by the director Jean Vigo who, despite his early death at 29, has been called the Rimbaud of the cinema for his outstandingly beautiful and poetic creations. "Zero de Conduite" depicts life in a French boarding school and the eventual revolt of the boys, with ironic humor and insight into the realities of childhood. The film is in French with English subtitles.

In addition, two French language short features by Norman McLaren will be shown, issued by the National Film Board of Canada.

Admission is \$1.50 per person.

Here and There

Claire Lamberti

Morris Slavin (Chemistry) is the recipient of the 1970 V.H. Churchill Award presented by the American Society for Testing and Materials in recognition of his special contributions to the ASTM Committee E-2 and to the field of industrial spectrochemical analysis.

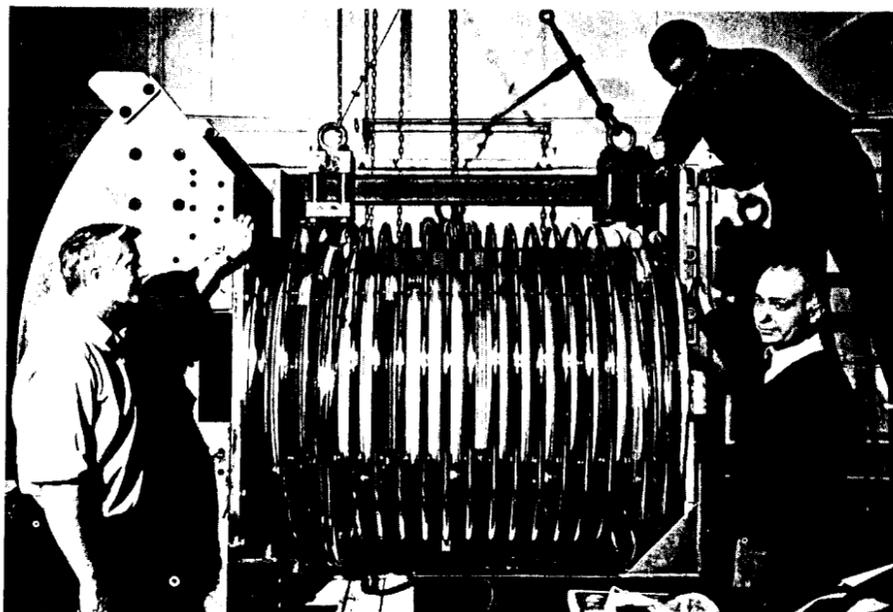
George C. Cotzias (Medical) delivered the Mary Scott Newbold Lecture at the College of Physics of Philadelphia on January 7. He dedicated this lecture to his teacher, Dr. Donald D. Van Slyke.

K. Fuchel (Applied Math) presented a paper entitled "The Use of Extended Core Storage in a Multiprogramming Operating System" at the Third International Symposium on Computer and Information Sciences at Miami Beach. **G. Campbell** and **S. Heller** (both of Applied Math) were co-authors.

Garman Harbottle (Chemistry) attended a Symposium on The Impact of the Natural Sciences on Archaeology held in London on December 11 and 12. The meeting was sponsored jointly by The Royal Society and The British Academy to mark twenty years of research on radiocarbon dating.

John Thomas (Medical) attended the Lerner Institute, Bimini, for a course in Tropical Marine Algae from January 5-12.

Nicholas P. Samios (Physics) has recently been appointed to the Experimental Program Committee of the National Accelerator Laboratory.



Getting ready to hoist the high gradient accelerating column into place are (l to r) Vincent Kovarik, project engineer; John Richter, mechanical technician; and Richard Amari, design engineer. Others involved in the assembly and test of the column were Charles Bellizzi, electronic technician and Ron Clipperton, electronic technician. —Humphrey

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NORBERT J. DERNBACH
Public Relations Officer

Arrivals & Departures

Arrivals

Billie E. Finn Biology
Thelma Langhorn Medical
Flynn B. McLean Physics

Departures

Ashoka Chandra Physics
Ruth A. Uriarte I. & H.P.

Service Awards - January

Twenty Year

Ripperger, Dorothea Medical

Ten Year

Alberico, Alice Medical
Browne, Robert Mech. Eng.
Connolly, Josephine Physics
Hennessy, John PEP
Scesny, Frances B. Personnel
Slover, Joseph Reactor
Sumrow, Katherine Reactor
Thorkelsen, Paul J. Physics
Wegner, Harvey E. Physics

Cafeteria Menu

Week Ending January 23, 1970

Friday, January 16

Clam & Celery Bisque
Fried Stuffed Flounder/Tartar Sauce .65
Broiled Halibut/Butter Sauce .75
Braised Meatballs/Vegetable Gravy .65

Monday, January 19

Vegetable Soup
Baked Ham/Pineapple Sauce .65
Spaghetti w/Italian Meat Sauce .70
Beef Liver & Bacon .65

Tuesday, January 20

Puree Split Pea Soup
Round Roast of Beef .65
Chicken Pattie/Chicken Cream Sauce .65
Frankfurters/Mashed Potatoes/Red Cabbage .65

Wednesday, January 21

Chicken Gumbo Creole Soup
Broiled Link Sausage/Apple Sauce .65
Tender Brisket of Corned Beef .65
Fried Haddock Tail/Tartar Sauce .65

Thursday, January 22

Chicken Noodle Soup
Beef Burgundy/Noodles .75
Roast Turkey/Giblet Gravy .70
Chili Con Carne on Rice .65

Graduate Courses At Stony Brook

The State University of New York at Stony Brook is offering a number of courses of interest to engineering and scientific personnel in the community. Generally, admission is restricted to holders of a Bachelor's Degree in engineering, mathematics, or the natural sciences, but holders of Bachelor's of Arts Degrees will be considered for some courses.

Classes will be held in the late afternoon and evening and will begin on February 4, 1970 and end on May 6, 1970.

A description of courses is available at the Office of Scientific Personnel, 40 Brookhaven Avenue.

Opera Tickets

The Recreation Office has received the February through April schedule of the Metropolitan Opera season and is now ready to sell tickets for the performances listed below. (A note to all ticket buyers - this is still a tentative schedule and is subject to change without notice.)

Tickets will go on sale Monday, January 19, at 9:00 a.m.

Ticket Buying Procedures

1. BERA seats are located in the Family Circle Section and are priced at \$2.50 per ticket.

2. If you have already purchased 2 tickets for an opera scheduled in January, you are entitled to purchase 2 more for the remainder of the season. However, if this is your first purchase, you are entitled to 2 tickets each to 2 operas.

3. Tickets are intended for employees and immediate family members. It is understood a single employee may wish to buy an additional ticket for his or her escort.

4. An employee must appear in person at the Recreation Office to purchase tickets.

5. Tickets will **not** be returnable or accepted for refunds at the Recreation Office.

Schedule

Mon. Feb. 2	Die Zauberflote
Tue. Feb. 3	Der Fliegende Hollander
Mon. Feb. 9	Der Rosenkavalier
Tues. Feb. 10	Don Carlo
Thu. Feb. 12	Der Fliegende Hollander
Mon. Feb. 16	Turandot
Mon. Feb. 23	Der Fliegende Hollander
Tue. Feb. 24	Der Rosenkavalier
Thu. Feb. 26	La Boheme
Mon. Mar. 2	La Fanciulla del West
Mon. Mar. 9	La Fanciulla del West
Tue. Mar. 10	Norma
Thu. Mar. 12	Ariadne auf Naxos
Mon. Mar. 16	Romeo et Juliette
Thu. Mar. 19	Norma
Mon. Mar. 23	Norma
Tue. Mar. 24	Romeo et Juliette
Thu. Mar. 26	La Traviata
Mon. Mar. 30	Le Nozze di Figaro
Tue. Mar. 31	Aida
Mon. Apr. 6	Ariadne auf Naxos
Thu. Apr. 9	Norma
Mon. Apr. 13	Romeo et Juliette
Tue. Apr. 14	Norma
Thu. Apr. 16	Ardrea Chenier

Radio Club Meeting

A special BNL Radio Club meeting, for the purpose of electing officers, will be held at the Recreation Building on Thursday, January 15, at 8:00 p.m.

All Club members are urged to attend.

Slide And Print Show By Photo Club In May

Under the sponsorship of the BNL Photography Club and BERA, a show of black and white and color prints, as well as color slides, is going to be prepared for the month of May. The work of any member of the BNL community can qualify for exhibition.

The dark room facilities as well as the advice of the more experienced photographers of the Club will be available for the printing of color and black and white negatives for the exhibit. Anyone interested please come to the Photography Club meeting on Monday January 19, 8 p.m., at the Recreation Building of the apartment area. Please advise your BNL amateur photographer friends who might miss this notice.

Bookmobile Schedule Jan.—June 1970

The Bookmobile, a service of The Suffolk Cooperative Library System, visits the Laboratory every two weeks, on Tuesday mornings from 10 to 11. Employees and on-site residents may borrow books, except those on reserve, for a four-week period. Reserved books may be kept for only two weeks.

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

January 27	April 7, 21
February 10, 24	May 5, 19
March 10, 24	June 2, 16, 30

Library cards are issued by the Bookmobile upon presentation of identification.

Investment Lectures

Starting next Thursday evening, January 22, and continuing Wednesdays, January 28, February 4 and 11, BERA has arranged to present interesting and informative lectures on personal investments. The sessions will be held at Berkner Hall starting at 8:00 p.m.

The first two lectures will be given by Mr. Carl Lanzisera of Bache & Company, and the third and fourth sessions by Mr. Harry L. Hackett of Merrill Lynch, Pierce, Fenner & Smith, Inc.

The topics covered will be as follows:

January 22

Terminology, Types of Investing, Inflation, Investment Objectives, Money Management, How to Accumulate \$100,000, Retirement Plans.

January 28

History and Workings of the New York Stock Exchange, How to Open an Account, Types of Orders and Commission Charges, How to Benefit from Financial News.

February 4

Mutual Funds, The Case for Blue Chip Securities, Over the Counter Market.

February 11

Today's Fixed Income Securities, Government, Municipal, Corporate, Sophisticated Trading Techniques, Hedging, Short Selling, Leverage.

If you would like to attend any or all of these lectures, please register by calling the Recreation Office on Extension 2808.

Racquetters

Now that 1970 has arrived, it becomes necessary to plan for the coming tennis season. One of the necessary jobs is to make an inventory of equipment to see what is still usable and what items must be replaced.

BERA has provided 8 tennis rackets for short-term loan. At the present moment, 4 rackets appear to be out on long-term loan - (or have they disappeared?)

Please, return the 4 BERA rackets so that we can determine how many need replacement or repair.

Mixed Volleyball Returns

After a three week vacation, Mixed Volleyball got back into swing on Monday, January 5.

The Bouncers had obviously done too much bouncing over the holidays since they lost all three games, but enjoyed it.

The Jets and Mets were in high spirits winning two of their three games.

The Nets have been overrun by men and are requesting more female participation to give them an uplift.

Only two more sessions for the final standing of this half. Lorraine Osterer

Winter Wonderland

Now you may make definite plans to have a ball - a snow ball that is!!

The Committee (our Utilities Divisions) has christened the upcoming BERA Dance "Winter Wonderland" and the contract has been signed for the musical services of the Wayne Foster Orchestra for Friday, February 20.

Swimming Pool and Gymnasium Schedules

Pool

Open Monday through Friday

12:00 noon - 1:00 p.m.

Employee Only

1:00 p.m. - 3:00 p.m.

Employee/Family/Visitor

5:00 p.m. - 9:30 p.m.

Employee/Family/Visitor

Visitors must accompany the employee who is permitted to bring a maximum of five (5) visitors per family each visit.

Daily Admissions:

Employee and Family	50¢ each
Visitor	75¢ each

Season Passes

Employee	\$10.00
Family	\$20.00

The present season will extend to June 12. The pool is closed on all BNL holidays.

Gym

Mon. 5:00-7:00 Mixed League Volleyball

7:30-9:30 Soccer

Tues. 5:00-7:00 Judo Club

7:00-9:30 General Activity

Wed. 5:00-7:00 Men's League Volleyball

7:00-9:30 General Activity

Thur. 5:00-6:15 Judo Club

6:15-9:30 Basketball League

Fri. 5:00-9:30 Tennis (by posted self-

service reservation)

Children of employees are not permitted to play in the Gym before 5:00 p.m. unless accompanied by an adult.

Slo-Break Basketball

by George Latham

In last Thursday's action, Chemistry overcame an early lead by the Physics team by winning 36-13. Tom Brennen, Doug Fay and Fred Ross each had 10 points for Chemistry.

Biology got by Medical 31-26 despite a 16 point effort by John Marto. Bill Studier had 8 points for Biology.

The Dirty Dozen took AMD 62-33. Tom Lee, Larry Johnson, Tom Jesaitis and George Oldham were all in double figures for the Dozen, while Les Lawrence was high man for AMD with 9 points.

The Knacks continued unbeaten by taking the Highballs 38-29. Bob Janssen had 10 points for the Knacks, but George Leverock of the Highballs led all the players with 12 points.

Standings

Associated League		
	Won	Lost
Knacks	5	0
Dirty Dozen	3	2
Highballs	1	4
AMD	1	4
Universities League		
Biology	4	0
Chemistry	3	1
Tandems	2	2
Medical	1	3
Physics	0	4

Recreation Building Home Away From Home

"I never realized the Laboratory had such an attractive building on site for employees."

This statement was made by an employee during one of the Christmas parties held at the Recreation Building this past year. We wonder how many more people working at BNL would make a similar statement.

The Recreation Building is for employees to use and enjoy. We invite you to stop in some night and take advantage of the many activities offered. For example; the newly decorated lounge offers a comfortable atmosphere for just plain sitting around the fireplace for a friendly chat, or watching color television, or having a game of cards or scrabble. We have had five or six after-five cocktail parties in the lounge during the past few months and all who attended thought the room was ideal for such a gathering. It easily accommodates about 50 people.

For larger parties we have the main hall which will hold a maximum of 150 people. Of course, we have kitchen facilities to take care of limited party food preparations.

If you are having a group or department party and would like to show movies, we have available 16 mm and 8 mm projectors and a screen. Our audio room is set up with a sound system with radio and phonograph and a record assortment to assure you pleasant music during the evening.

On the second floor are meeting rooms used by organized BERA clubs, and a pool room for your use any time the building is open.

We hope this gives you a little bit of an idea what the Recreation Building is all about. If you are interested in having a department or group party, call the Recreation Office to help you select a night and make necessary arrangements. A reasonable fee is required to help defray some of the expenses.

The building is open for general use Monday through Thursday (we're on our winter schedule) from 5:00 to 11:00. Refreshments (beer and soft drinks) are available for purchase. One of our two BERA attendants, George Leverock or George Dioguardo, is always present to assist you with your needs.

Weekend gatherings may be arranged for you by the Recreation Office.

Bowling News

Irma Carl

Purple League

The first half is over and one mark on position night could have made the difference between the Exots being in first place or in a three-way tie with S&M and the Designers.

The holidays seemed to have affected the bowlers as no one hit 200 and only two rolled 500 series - Phil Borzi 539 and Mike Guacci 534.

Red League

High game rolled by E. Meier (230/202/596) followed by K. Riker 210, G. McGovern 210, G. Tanza 208, and C. Bohnenblusch 205.

Pink League

Flo Weiss (498), Audrey Bangel, and Rosalie Piccione seemed to be the only ones who remembered what this sport known as bowling was all about. As for the rest of us - too much holiday!!? Well, that's one excuse!

Classified Advertisements

Autos & Auto Supplies

BUMPER JACK - \$2. Ext. 7148.

67 PLYMOUTH FURY WAGON - 6 cyl, std trans, r/h, low mileage, excel cond. 286-8119.

54 GMC PICK-UP - 1 ton, 4 spd trans, good tires, excel running cond. \$500. Ext. 2376, 475-2407 after 5:30.

TIRE CHAINS - Go anywhere, fit 7.75x14 wheel w/ spreaders. \$5. B. Johnson, Ext. 573.

65 HONDA - 250 cc, Scrambler, excel cond, must sell. \$285. Frank, 744-9033.

68 PONTIAC LEMANS - Vinyl top, bckts, Hurst 4 spd trans, 389 cu in eng, new studded snow tires, low mileage. E. Divis, HR2-1734.

TIRE - 6.25x16, on rim. \$10. Whitey, Ext. 2179.

61 CHEVROLET TRUCK - ¾ ton, 4 w/d, very good shape. GR5-4199.

67 SAAB - 3 cy, w/oil injection new in early '68, must sell. \$800. Marr, Ext. 2729, 475-1372.

2-15" GMC WHEELS - 6 hole, w/worn Goodyear 6 ply 7.00x15 sncw tires. \$16. J. Semkus, Ext. 558.

64 VW MICROBUS - Excel shape, new motor. \$900 firm. W. Hamilton, Ext. 2484.

RIMS FOR FORD OR MUSTANG - 2/\$4. Ext. 576.

FORD ENG - T-ans, rad, drive shaft for truck, will fit '53-'57, runs very well. Ext. 576.

63 VW BUG - Good motor, sound body, needs paint. \$325. W. Hamilton, Ext. 2484.

69 JAVELIN SST - Dk green/tan int, V8, excel cond, w/w, auto trans, ps, rec seats, bckts, r/h, console, low mileage. 286-0785 after 5.

63 WAGONEER - 4 w/d, r/h, 4 new snow tires, new batt, excel cond. \$1150. 286-3440 after 6.

64 PONTIAC TEMPEST CUSTOM - 2 dr, 6 cyl, ps, r/h, good cond. \$500. Ext. 7684, 724-2932 eves.

64 GTO CONV - New trans, clutch, extra tires & rims, carb & manifold, mounted snows, excel cond. \$950. HR3-7460.

2 SNOW TIRES - 6.50/6.80x15, good cond; 3 Falcon wheel rims, asstd colors. Rich, Ext. 2735.

66 MUSTANG CONV - Red/white int, V8, console, bckts, 4 spd, wide ova's, wood grained int, extras, very good cond. \$1295. Nielson, Ext. 7677, 325-0968.

CARBURETOR - For 6 cyl Plymouth or Dodge. \$5. M. Greene, Ext. 7779.

61 CHEVY ½ TON PICKUP - Best offer. Ext. 2375, 584-5216 after 6.

2 SNOW TIRES - 7.00x13, w/rims, for '65 Mustang, w/w, used less than 1 mo, \$35/pr; 2-15" wheels, \$10/pr. Ext. 2459.

59 CHEVY STATION WAGON - 9 psgr, good cond, new tires & batt 11/69, chrome rack, auto trans. \$300. Ext. 7575.

68 OLDS 442 - 4 spd Hurst, excel cond. \$2100. Bob, Ext. 2265, AT9-8236.

70 REBEL - New, 6 cyl, 4 dr wagon, no mileage. \$2200. John, Ext. 7525.

TIRES - 2 reg, 2 snow, 7.75x14, Sears Premium, barely used. \$60. L. Zolot, Ext. 7148, 924-8670.

65 PLYMOUTH STATION WAGON - V8, auto trans, ps/pb, a/c, new tires, 2 snows, good cond. \$1100. Ruth, Ext. 2962, 567-2190 after 4.

Boats & Marine Supplies

SAILBOAT - '67 O'Day Javelin, C.B., Hild sails, 5 hp Seagull, '69 trailer, excel cond. Terry, Ext. 7351, 744-8623.

16' CLAM BOAT - W/winter cabin. \$200. GR5-3707.

Miscellaneous

TV ANTENNA - Winegard, preassembled, 100 mi. \$10. Ext. 7148.

ICE SKATES - Child's size 12, size 1, white. \$5 ea, or trade for size 2 or 9. M. Goldberg, Ext. 2309, 473-9354 eves.

SHOWER ENCLOSURE - For bathroom, sliding glass drs, towel racks. Earl, 286-3829.

SLED - \$3; steam iron, \$5; kitchen stool, \$2; 2 lamps, \$5; glass shower enclosure, \$20. Earl or Ann, 286-3829.

CONSOLE PHONOGRAPH - Grundig stereo, w/3 band radio, in teakwood cabinet w/Danish mod styling. \$100. Steve, Ext. 7756.

FIGURE SKATES - Men's or boy's, size 8, excel cond. Were \$16, now \$5. Mike, 473-2879.

MAGNUS CHORD ORGAN - Console, w/bench & light, like new. Cost \$175, asking \$100. JU8-0629 after 5.

ROLLER SKATES - Ladies' size 7, white Chicago Champions, excel cond. Asking \$12. 475-0684.

2 RM DIVIDERS - Screen type, amber colored plastic w/walnut frames, approx 26" wide, adjustable hgt. \$10 ea. R. Hoyte, Ext. 7266.

DACHSHUND - 7 mo old female, AKC reg. \$75. AT6-3756.

2 PR ICE SKATES - Size 9½ & 10 men's blk Canadian Rocket Sheffield Steel, very good cond. \$8 ea. A. Rosenska, Ext. 445.

FIREPLACE WOOD - Hardwood, split, stacked, delivered. \$10/¼ cord. 281-8622 after 6.

LABRADOR RETRIEVERS - Golden, 8 wks, AKC, shots, excel w/children or for field. LT9-5432.

ICE SKATES - Children's sizes 10 & 11, blk, perf cond, from Princeton shops, the right skate for beginners. \$8/pr. Fred, Ext. 2287.

SCOTT LT-10 FM TUNER - W/stereo multiplex & phone jack added; Knight KX-60 stereo amplifier; both for \$50 or let's talk. J. Hallock, Ext. 2480.

SKIS - 7' long, laminated hickory, steel edges, made by Glungezer, Austria. \$5. C. Reed, Ext. 2248.

PHILCO 20" TV - On swivel stand. \$15. Ext. 2891, AN5-0501.

GE PORTABLE DISHWASHER - 1 yr old. Cost \$130, sell \$90. J. Zahra, Ext. 7382 after 5:30.

26" GIRL'S BICYCLE - Old, decrepit, tires good. \$3. AT6-0798.

SKIS - 67" Austrian laminated wood, plastic bottoms, Tyrolia cable bindings, 10 yrs old, rarely used. Asking \$25. Kay, Ext. 645.

RUG-6'x9', olive green, \$15; Remington elec shaver, 550 Selektronic, \$20; 2 lawn chairs; child's rocker, \$7. Ext. 7487.

PHOTOGRAPHIC PRINT TRIMMER - \$4; portable tripod, \$10; flash unit, \$3. K. Fuchel, Ext. 2446.

BABY ITEMS - Hedstrom top-of-line carriage, w/matress & sheets, \$20; Hedstrom top-of-line stroller w/wrap-around canopy, \$12; net playpen, \$10. Joan, SH4-3919.

RACING ICE SKATES - Size 7-8 D, excel cond, blade cover. \$10. Sherman, Ext. 2341.

LADIES' FIGURE SKATES - White, used only twice, size 6. \$7. K. Chen, Ext. 695, 744-3425.

SHASTA 16' TRAILER - 1964, sleeps 5, gas refrig, heater, press water, equalizer hitch, brake control, spare toilet. \$1400. 584-5325.

ST BERNARD PUPS - AKC, Champion bloodlines, shots, wormed, excel markings. 732-3422 after 5:30.

SKI PARKA - Ladies' size lg, never worn. \$12. T. Morris, Ext. 7739, 744-5096.

6" NEWTONIAN REFLECTING TELESCOPE - & equatorial mount, 3 eyepieces & 1 barlow lens. HR3-0178 eves.

4 TRACK STEREO TAPE PLAYER - Autosonic, w/2 speakers & 6 tapes. \$30. 281-8622 eves.

B&W TV - 23" Sears Medalist, mahog console, dual speakers, excel cond. \$85. 234-5487 after 6.

PORTABLE STEREO - Philco, detachable speakers, approx 50 records. \$75. Ext. 553, 727-0136 after 5:30.

BABY CARRIAGE & STROLLER COMBO - Collier. \$12 or best offer. 281-4419.

GERMAN SHORTHAIRED POINTER - AKC, female, 1 yr 2 mos old, obeys commands, loves children. \$80. Irwin, Ext. 2168.

SKI BOOTS - Boy's size 10. Ext. 321, SH4-2955.

SKI BOOTS - Men's size 9. \$10. Pete, Ext. 2348.

35 MM CAMERA - Retina III, w/50 mm f:1.9 lens & built-in exposure meter. For the price of the lens only. Tom K., Ext. 7396/7300.

ICE SKATES - Asstd sizes, children's, reasonable. Tony, 7525, 924-8225.

PUPPY - Male, 10 wks old, ½ Shepherd, ½ Labrador Retriever. Dick, Ext. 601, WA9-4551 after 6.

PAINT - Dutch Boy, 2 gals green, 1 gal yellow. \$4.50/gal. Ext. 7166.

WOOD GAS HOT WATER HEATER - Still in crate, 10 gal. \$25. Ext. 2528, AT6-1092 after 5:30.

ELEC KNIFE - Slim handle GE, new never used. \$10. Ext. 558.

SKI JACKET - Men's size med, blue nylon shell, 100% goose down filled, too lg for me. \$30. Bill, Ext. 7693.

SLIDE PROJECTOR - Argus model 300. G. Raynor, Ext. 454.

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

2 ACRES - 500' off Jericho Tpke on Wilson Ave, Gordon Heights. \$6000. 732-3443.

WINTER CLEARANCE! - 3 bedrm home on beautiful, private acre, Yaphank, detached 2 car garage, new kitchen, refrig-freezer, must see. YA4-3519.

For Rent

FURN HOUSE - 4 bedrms, E. Patchogue, near Bay, avail from Feb thru July or Aug. Ext. 2729, 475-1372.

FURN HOUSE - 2 bedrms, dining/den w/fireplace, stereo, TV, hamlet of Brookhaven, avail Feb-June 15, 1970. AT6-1068 eves.

Wanted

VW WORKSHOP MANUAL - '54-'67 version. Ext. 7231.

TAXPAYERS - Federal & State income tax forms prepared in the privacy of your home or mine. GR5-8330.

TO FORM PHYSICAL HYGIENE & FITNESS CLUB - Wgt lifting prime objective. I. Lewis, Ext. 2936.

TO RENT - 2 bedrm house, unfurn, close to Lab. J. Larrie, Ext. 548, 698-1054 after 6.

ROOMMATE - To share furn apt in Center Moriches. T. Nunes, Ext. 7606, 878-2874 after 7.

MATE - For female Siamese cat. 475-0201.

POSTAGE STAMPS - For young collector, any kind in any amt. Al, Ext. 426.

LIVE-IN HOUSEKEEPER - For widower w/2 girls 12 & 10, references required. Mr. Murphy, 289-5202.

PETS - Going skiing or on winter vacation? Reliable pet sitting, reasonable. Tony, Ext. 7525, 924-8225.

STUDENTS - Who wish to study piano, accordion or organ, beginners or advanced, my home or yours. Don, 281-8044.

TO RENT - Sm apt or house. B. Kiriazis, Ext. 7220/2766.

WOODEN STORM WINDOWS - 32x64 or slightly larger. 878-1790.

HOME - For part Terrier puppies, male/female, blk/white markings, 6 wks old. 585-6404, 585-6149.

HOUSEKEEPING - Practical nursing, by mature widow, will live in or away, reasonable. LT9-3269 after 6.

BABYSITTING JOBS - Reliable woman will care for your children, preferably my home, E. Patchogue. 475-2145.

SNOW TIRE - 8.50x14 or equivalent. M. Strongson, Ext. 2727.

MEN'S ICE SKATES - Size 12, reasonable. Bob, Ext. 2265.

SKI OUTFIT - For 5'9", 160-lb male. Lancaster, Ext. 2112.

STARTER - For 348 Chevy, 300 rpm starting radius. 286-3361 after 6.

Carpools

DRIVER WANTED - From W Smithtown. Ext. 563.

FORM OR JOIN CARPOOL - Lake Ronkonkoma near Expwy, 9 Hawkins Ave. A. Panasci, Ext. 2349.

DESIRE DRIVER - From Massapequa & vicinity, to compl carpool, VW OK. Ext. 2942.

JOIN OR FORM CARPOOL - From Centerport, Northport or Greenlawn area. Frank, Ext. 488.

Lost & Found

REWARD - Reassurance yellow spayed cat lost Jan 1 vicinity Arthur Ave, Brookhaven found orig home. 286-0199.

Dollars and Sense (Cont'd)

was paid to you during the taxable year. **Scholarship and Fellowship Grants** - A student who is a candidate for a degree excludes from his taxable income tuition, fees, family allowances, accommodations, travel expenses and other services received from a scholarship. If the scholarship or fellowship requires the student to perform teaching, research or other services as a condition of the scholarship, these portions are not excluded from taxable income, unless these services are part of the normal curriculum.

If an individual is not a candidate for a degree (non-matriculated students, research grants, etc.), amounts received as a scholarship or fellowship grant are excludable from taxable income, if the grantor is a tax exempt organization, a foreign government, a government agency, etc. Under these circumstances, the exclusion is limited to \$300 for each month (up to 36 months) that the recipient receives payments. Amounts that are designated for travel expenses, research, clerical help, or equipment are also excludable from income, but amounts paid directly to an educational institution to train a non-degree fellow are included in his income (but subject to the \$300 exclusion).

Business Income - Profits derived from your own full or part time business (sole proprietorship) are taxable income. There is usually little difficulty determining your gross receipts since most small businesses are on a cash basis. However, business expenses which include all expenses incurred in the production of income are not always easily determined. Among these are automobile expenses, depreciation, interest expense, and tax expense, any of which may have to be apportioned between business use and personal use. Business income and related expenses must be reported on Schedule C of form 1040.

Additional facets of income will be discussed in subsequent articles. Included will be such topics as capital gains and losses (securities), the sale of a residence, and adjustments to income.

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 employee's signature.

For Sale: Auto & Auto Supplies
 For Sale: Boats & Marine Supplies
 For Sale: Miscellaneous

Wanted
 Carpools
 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