

# the Bulletin Board

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## DON'T FORGET TO VOTE



Be sure to cast your vote in the BERA Board Election. Send the ballot in a sealed envelope to Grace Siemen, BERA Secretary, 52 Brookhaven Avenue. The deadline is Friday, March 18. Results will be announced in THE BULLETIN BOARD.

## ATTENTION APARTMENT OCCUPANTS

Effective March 21, the onsite school bus stop will be changed from the corner of York Lane and Yale Road to a newly constructed "Lolly-Pop House" located in the playground area, on Yule Lane.

## CONCERT CHANGE FOR MARCH 23: DANIEL ABRAMS, PIANIST

Due to an illness, the Duo di Roma, originally scheduled to present a concert here March 23, has cancelled its performance. Instead, we will present a young pianist, Daniel Abrams, in a recital. Mr. Abrams made his New York debut at Town Hall a few years ago and has received much critical acclaim since, as these examples show.

Daniel Abrams' fine playing of Brahms "Handel" Variations was an outstanding feature of a recital that was on a high level throughout. The musical line was never obscured by details; the singing tone was in evidence throughout. His interpretation of Beethoven's Sonata Op. 31, No. 2 exhibited an ease, lucidity and comprehension unusual in a performer midway in his twenties.

—NEW YORK TIMES

He seems to have just about everything required for development into a first-class interpreter of great music. Even now he is able to play Mozart with a lyricism given to few musicians of any age.

—NEW YORK HERALD TRIBUNE

We will give the details of the program in next week's BULLETIN BOARD. The concert will be given at the same time and place as the originally scheduled Duo, Wednesday evening, March 23 at 8:30 p.m. in the Research Staff Lounge. Tickets will be on sale at the door; admission is \$2.00 for adults and \$0.75 for children.

## NEW ADDITION TO RESEARCH LIBRARY BUILDING



The photograph above is an interior view of the new addition to the Research Library building. This new wing increased stack space by about twenty five percent and houses the abstract journals, bound journals, and reports collections. Our library has grown from 1 to 50,000 volumes in thirteen years, and even though the new bookshelves are hardly up, it is not too early to plan for future expansion. Space is a continuing problem, since a research library naturally acquires more and more material as time passes.

The library grew most rapidly in the early years of the Laboratory when it acquired its basic collection of scientific journals. In a research library, journals are of far greater importance than they are in most public or college libraries, since it is in them that much of the recorded knowledge of scientific achievement is found. Brookhaven receives over 1,000 titles reporting the work of scientists including those in nearly all of the European and Asian countries.

Scientific reports are an important part of the Research Library's collection. There are between ten and twenty thousand of them in the library at the present time. The reports are a relatively new type of literature which resulted largely from the many wartime research projects. Because these reports were classified, they could not be printed in the scientific journals. As research programs expanded, institutions also began to publish the results of their own work.

Reports are such space consumers that many are issued in micro-opaque rather than in printed form. This means that a thirty page report can be found on a 3 inch by 5 inch card. These cards are put in a reader which enlarges a page to readable size.

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## Library (continued)

The Reference Section works steadily on the compilation of bibliographies and literature searches. Occasionally it is called upon to answer such questions as "How much does an adult skeleton weigh?" and "Can you find a supplier of kangaroo tail tendons?"



One of BNL's longest periods without a disabling injury was terminated at 65 days last Thursday - just two weeks short of a million manhours. The injury occurred when a Utilities Maintenance employee was loading a motor onto a truck, slipped and dropped the motor on his leg. He suffered shock and laceration of the leg, but fortunately no fracture.

This is the second disabling injury thus far in 1960 as compared to four during the same period in 1959.

## RADIATION SAFETY SLEUTHING

Radiation safety has many facets, some of which are relatively unknown to most B.N.L. employees. In addition to the Health Physicist found in all radiation areas, other employees in these areas must keep watch over the amounts of radioactive material which are released to the soil, water or air.

Maximum limits have been established of the amounts of radioactive material which may be disposed of on site in liquid or solid form. Records are kept of this material, and stringent controls are enforced to make certain that the limits are not exceeded.

Recently the daily water samples taken at the sewerage plant indicated that amounts of radioactive material were being dumped into the sewer which would exceed the yearly permissible limit if not checked. All of the areas which normally would possess this much active material disclaimed any knowledge of the source or origin.

The investigation started with an analysis of the activity made on the 100 channel analyzer at the Hot Laboratory. This indicated that we had a high concentration of cesium<sup>137</sup> which, being associated with long-lived mixed fission products, pointed the finger of suspicion at either the evaporator, the Hot Lab or the Pile. Thus the area of investigation was considerably narrowed.

Next it was necessary to determine the time of day that the activity originated. A recorder routinely in use at the sewerage plant clearly indicated peaks of activity, so that all that was needed was to time the passage of material from the Reactor complex to the sewerage plant.

A small quantity of fluorocaine dye dropped into a manhole near the Hot Lab gave a vivid and colorful tracer which arrived at its destination two hours later. The most frequent peaks of activity were thus determined to have their origin between 0900 and 1100, since the recorder picked them up approximately two hours later.

The evaporator, which normally might be a prime suspect was in this case exonerated by samples dipped from its effluent. This left only the two big buildings on the hill. But which one?

A portable generator, a recording rate meter and a waterproofed Geiger tube immersed in a sewer line soon indicated the answer clearly. With the source of trouble thus narrowed to one building, further inquiries soon provided the answers that were being sought.

Essentially the cause of the activity had been this: defective equipment had caused a sump to fill from a line carrying radioactive waste. Although the sump water looked clean, it was not and the waste had been pumped into the sewer.

Investigations of this type take considerable time, but they must be carried out in order to keep our environment safely clean. Know-how, scientific equipment and a lot of leg work will continue to enable Health Physics to track down the source of such situations.

## MICROMET SALE

Orders for Micromet accompanied by full payment are now being taken at Personnel Services, Building 185. No orders will be taken after Friday, April 1.

## WEST POINT CADETS TO VISIT BNL

On Tuesday, March 22, the Laboratory will be visited by a group of 54 cadets from West Point Military Academy. This group represents the top ten per cent of the students in the junior and senior electrical engineering classes. After touring the Research Reactor and the AGS, each member of the group will have the opportunity to choose from several technical topics, and thus be enabled to discuss his special field of interest with the appropriate BNL scientist. Here, the machines, instruments and other equipment associated with his work will be demonstrated by the scientist. Question and answer periods will follow, in each case.

## BALLET CLASSES BEGIN

The eight week course of instruction in ballet will begin this Thursday, March 17 at 7:30 in the Gymnasium. A \$12.00 fee per person will be required to meet expenses. Please register in advance at the Recreation Office, in the Gymnasium. For additional information call Ext. 391.

## SECRETARIAL SEMINAR TO BEGIN NEXT WEEK

The second Secretarial Seminar will be held in three sessions: March 22, 24, and 29 from 1:30 to 4:30 in the afternoon. The meetings will take place in the Reactor conference room. The Seminars are designed to give secretaries, and others performing secretarial duties, information on services available to them and various aspects of Laboratory administration and also to give them a general outline of the major scientific efforts and projects at BNL.

## SLO-BALL LEAGUE

There will be a captains' meeting at 1200 March 16th in the Recreation Office in the Gymnasium. Departments or groups interested in forming a team are urged to send a representative.

## BOWLING PARTY

The 1960 Bowling party and awards ceremony plans are now being formulated by a committee of two representatives from each of the B.N.L. leagues. George Hardman, President of the Bowling Board, has appointed Lloyd O'Laughlin (Ole) as Chairman of the group. Your suggestions will be most welcome. Tell your representative about your ideas. The next party committee meeting will be on March 24 at noon in the Recreation Office.



## BERA BOWLING

### PURPLE LEAGUE

The Bowl Aids split with the Ptu's 2-2. Ed Walsh had a 190 and Bubka had 205. With some fine bowling by Reamy 507 and Zelenka 505, the Toppers took the Chain Gang 3-1. For the losers Brems had 200 and Lacey 190. In taking the Fiscal team 3-1, Roecklein's 602 series was overshadowed by Ed Sperry's league high, 633. Other good scores were Bohn's 208 and Joe Cuccia's 531 series.

The mighty Phoubars were idle and the Designers are tied with them temporarily for first place.

### RED LEAGUE

The Loopers took four points from the Bismuth Kings on position night, to increase their lead to six points. A. Oltmann was high for the Loopers with a 483 series.

The Woodbutchers swept the Sevens and are only four and a half points out of second place. Walt Milian had a 191 (499) for the winners, and Hardman had a 200 (544) for the Fish.

The Metalliks moved from fifth to fourth place by taking three from the Nuclides. Kenney had a 465 for the losers, and B. Galen a 214 (551) for the winners.

The Gnats came out of the cellar and bit the Hot Lab for three points. G. Walker blew a nice series with a 212-223 and a 135. Williams had a 491. Bartlett and Selleck were high for the Gnats with 474 and 479.

### LADY KEGLERS COLUMN

Since the column did not appear last week we'll fill you in on the bowling action for the last two weeks. Week of March 2nd: Nightingales moved into 3rd place by taking 3 points from the Frisbees, with the help of Helen Stern's 498 series. Odds and Ends maintained a firm hold on 1st by taking 3 from the Allthumbs. Medical and Sam's Gals split 2-2. The Strugglers/Chemistry match was postponed. Split conversions were made by Grace Schiro and Elaine Daniels 5-7 split. High games for the night: Helen Stern 199, 177 (199 is new high game); Chris Podlaski 180; Grace Siemen 173, 169; Helen Kelly 172; and Marty Heine 160.

Week of March 9th: Position night proved a stalemate for 1st and 2nd places as Odds and Ends and Medical

split 2-2. Third place was taken over by the Strugglers who came through with a complete victory of 4 points over the Nightingales. Allthumbs and Frisbees stayed in 5th and 6th place, respectively, although the Frisbees took 3 points from them. Seventh place tie was broken with Chemistry moving out in front by taking 3 points from Sam's Gals. Lois Konon of the Nightingales converted the 5-7 split. High games and series for the night: Grace Siemen 185-505 (new high series for the league); Veronica Brooks 171; and Grace Schiro 159.

### UPTON RIFLE - PISTOL CLUB

Due to unfavorable weather, the monthly meeting scheduled for March 4 was postponed. The next meeting will take place on April 7 at the Recreation Building. The exhibit of modern side-arms will take place at that time.

It is strongly urged that all persons other than members of the Upton Rifle and Pistol club and of the Security Department refrain from using the range situated on site.

On March 10 the U.R.P. pistol shooters lost a match to the Mid-Island Rifle and Pistol Club that turned out to be a close gun battle. After the smoke had cleared the totals were 936 to 931. Shooting in this close match were P. Colsmann 240; R. Smith 232; M. Johnson 231; C. Goodzeit 228; D. Riel 226; and J. Kipp 216.

The next scheduled pistol match is with the Mattituck Rifle and Pistol Club on Tuesday, March 29. Starting time is 7:00 at the Riverhead Armory. There will be a group leaving the Recreation Building at 6:30.

### SKI CLUB NOTES

The next meeting of the Ski Club will be on Monday, March 21, at 7:30 p.m. at the Recreation Building in the Apartment Area. A movie will be shown after the meeting. The club members who went on the trip to Mount Snow in Vermont experienced some of the finest snow and skiing conditions the Northeast has had in several years. All returned sunburned and tired. The next trip is scheduled for April 2 and 3 to the Pico-Killington area in lower Vermont. Deposits are due by the next meeting and are payable to Joan Weisenbloom, Ext. 550. Please try to have deposits in as soon as possible in order to facilitate making reservations. Elections for President, Vice President, Treasurer and Secretary will be held on April 4 at the meeting scheduled for that evening. Nominations will be accepted at the next meeting. For further information, contact John Walsh, Ext. 457.

### CHAMPIONSHIP GAME

Last week saw the regular basketball season come to a close with a couple of full-of-fun, semi pick-up games. Chemistry dropped a close one to a few Thumpers and Biology men 64-50; Metallurgy and Old Timers, Biology, Thumpers and Life Guards played another close one after intermission with Metalniks on Top.

The standings in the second half were:

TEAM	WON	LOST
Metallurgy	6	0
Thumpers	5	1
Biology	3	3
Chemistry	1	5
Old Timers	1	5

Because the Thumpers won the first half and Metallurgy won the second half, there will be a 2 of 3 playoff for the coveted championship starting on Tuesday, March 22 at 7:00. These teams met in 3 spirited affairs during the season and we are all looking forward to an intense struggle during these playoffs. Remember that this will be the best basketball available and that the gym and beer parlor will be open to all rooters during the playoffs.

### BAUBLES - BANGLES - BEADS



Catchy tune, isn't it? But nothing compared to what the "Hi-Fives" will be playing at the BERA sponsored April Fool's Dance on Friday, April 1. You name it - they'll play it!

Have you circled the date on your calendar? Rumor has it that a famous trio may condescend to participate in the entertainment for the evening. The Decorations Committee is full of ideas - we're not saying what kind, but we're sure they'll come through with flying colors!

At a recent meeting, more volunteers joined the Dance Committee and the ball is really rolling. Why don't you hop on the band wagon and volunteer your services? Call George Sabine, Ext. 391 or Carmen Spirio, Dance Committee Chairman, Ext. 686.

**CAMERA CLUB**

At the next meeting of the BNL Camera Club (March 23, 8 p.m. in the Recreation Building) Charles DeBevoise will lecture on various photographic activities. Mr. DeBevoise is a professional photographer who has always taken an interest in amateur photography. He is official photographer for the Borough of Queens, is President of the Little Neck Community Camera Club and was president of the Long Island Council of Camera Clubs.

His talk is expected to be enjoyable and instructive. Camera Club members and all interested in photography are urged to attend.

**GIRLS WANTED**

About twenty signed up to take the Arthur Murray dancing lessons on Thursday evenings at 8:30 p.m. at the Recreation Building. It is still not too late for you to join the gang. At the present time, the males are dominating the scene. Let's get out there, girls, and even things up!

**VOLLEYBALL!! VOLLEYBALL!!**

On Thursdays at 5:15 the gym presents the spectacle of 30 avid athletes (?) extricating themselves from nets. This is volleyball. . . and additional players are welcome, to fill in slots on existing teams or form new ones. Come around this Thursday.

**NEW YORK PLAY**

Exchange tickets are now available at Personnel Services, Building 185, for discounts to "Destry Rides Again" at the Imperial Theatre. By exchanging these tickets at the box office, employees can obtain a 50% saving.

**CLASSIFIED ADS****FOR SALE**

1958 PLYMOUTH PLAZA - 6 cylinder, 4 door sedan, r&h. Automatic transmission, whitewall tires in good condition. Asking \$950. E. Wind-schauer, Ext. 424.

1951 BUICK SPECIAL - 2 door sedan. Heater, clock, cig. lighter. Standard shift. Good transportation. Sound body. 4 new tires and battery. \$100. Carl Cantera, Ext. 2376 or Sayville 4-4883.

1954 FORD SUBURBAN - 8 cylinder. Property of AUI. May be inspected at Police Headquarters. Written offers should be referred to G.W. Maxey, Purchasing Agent, Building 100, Ext. 489, not later than Friday, March 18, 1960. The right to accept or reject any or all offers is reserved.

1954 DODGE - Coronet. 4-door automatic transmission. Heater, radio. Owner leaving the country. Vito Svelto, Ext. 618 or 41.

1953 DE SOTO FIREDOME V8 - 4 door sedan. Radio, heater, defroster, back up lights, tip toematic transmission. Best offer over \$200. Must sell. Ext. 2205 or WEsthampton 4-2695.

1958 FIAT - 4 door sedan. Radio, heater, and whitewalls. 25,000 mi. Very smooth, well tuned engine. \$800. R. Larsen, Ext. 634.

SAILFISH - standard size, one year old. Dacron sail, aluminum spars. B. Keck, Ext. 752.

SAILBOAT - Blue Jay No. 1076. Completely equipped including nylon spinnaker and cushions, etc. Bertha Conway, Ext. 301-39 Medical.

21 INCH TV - RCA, metal cased, table model. In working condition. \$50. Model No. 21-T-7152. If interested please call Jake, Ext. 2208.

BATTERY - Willard, 12 volt. Model ATX-4NF. For Ford or Mercury. Used 2 months. D. German, Ext. 2212.

TYPEWRITER - Royal portable. 3 years old and in excellent condition. Gray typewriter and matching carrying case with built-in locks. \$50. Ext. 2373 or SAYville 4-5126 evenings.

HOUSE - 6 yrs. old. 2 bedrooms, picture-window living room with wall-to-wall carpeting, eat-in kitchen, colored tile bath, attached garage, aluminum storms and screens, washing machine. Many shade trees on this 80 ft. x 128 ft. lot. \$55 per month pays all. Price \$8500. ROnkonkoma 9-5562 after 6:00 p.m.

**WANTED**

MUSICIAN - need piano player for single engagements. Must play orchestration. Call L. Chirco, Ext. 451 or SElden 2-3378 after 6 p.m.

BICYCLES - 22 in. for boy or girl. Call K.N. Rao, Ext. 628.

POOL TABLES - 4½ ft. by 9 ft. GRover 5-4314 after 6 p.m. any evenings.

PLAYPEN - and high chair. Ext. 726.

ACCORDION - to rent or buy. 120 bass, 3 or more treble. For 12 year old advanced student. C. Niglio, Ext. 589.

VACATION TRAVELER'S ATTENTION - Do you want to be independent from hotels and motels? Install this Nash Ambassador folding seat in your car. Required width 59 inches. The first caller will get it. No charge. R. Rakenius, Ext. 2114.

APARTMENT - 2 bedroom furnished or unfurnished apartment in Riverhead school district. Urgently needed. A.C. Nerenberg, Ext. 744.

**CAR POOLS**

Wish to join car pool from vicinity of Middle Road and Blue Point Ave. in Blue Point. Call Ext. 548, J. Costanzo.

3 man car pool leaving Bay Shore desires other members. Call Jake, Ext. 2208.

4 man car pool leaving Wantagh at Southern State Parkway and Wantagh Ave. desires fifth member. B. Quinn, Ext. 361.

**LOST**

On Friday, March 4 at 2 p.m. a tow chain was left temporarily behind the Gulf Gas Station opposite the bank and was missing 10 minutes later. Please return to G. Raynor, Meteorology, Ext. 457.