

# the Bulletin Board

VOLUME 15, NUMBER 6

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OCTOBER 17, 1961

## BERA FILM SERIES

THE MOUSE THAT ROARED (ENGLISH)  
October 19 — Lecture Hall — 8:30 p.m.

In this comedy directed by Jack Arnold, Peter Sellers stars and plays three roles in this very witty satire on power politics. The Grand Duchy of Grand Fenwick, world's smallest country, relies on its export of wine to America. When it finds it is losing its market to a California imitation, it decides to declare war on the United States, with the idea of receiving substantial economic aid handouts after it loses. A twenty-man army equipped with medieval armor and bows and arrows invade New York. After the capture of America's newest secret weapon, the Q-bomb, the plot takes an unexpected turn.

In addition to this hilarious comedy, a series of Robert Benchley short subjects will be shown. Benchley will be seen satirizing on subjects such as: "The Trouble with Husbands," "How to Take a Vacation," and "The Man's Angle."

## DISCOUNT TICKETS

Discount tickets to the following play are currently available at Personnel Services, 58 Brookhaven Avenue:

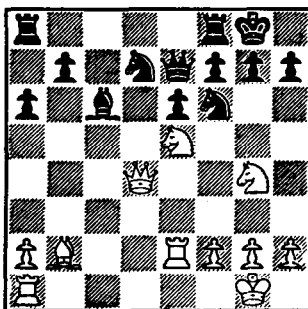
FIORIELLO!  
(Broadway Theatre, N.Y.C.)

## FOLK SONG GROUP

A Folk Song Group is being organized for the winter months. If you are musically inclined and like a good song-fest, be at the Recreation Building in the Apt. Area Thursday, October 19th at 8:00 P.M.

## CHESS PROBLEM

White is a few pawns behind at this phase of the game, but a close look will show a win for White. Answer elsewhere in this week's BULLETIN BOARD.



White to move

## VISITORS' DAY COMING UP



Typical Visitors' Day scene. This was taken last year at the Reactor and will probably be repeated on Saturday, October 21st (Visitors' Day for general public).

V Day is just ahead of us. Saturday, October 21st, will be the day for the general public to see all that goes on at BNL. College Visitors' Day will be Friday, October 27, from 9:00 A.M. to 5 P.M., and high schools will be on site Saturday, October 28th.

Special exhibits have been set up in the Gym, the Lecture Hall, and the Exhibit Hall. In addition, tours will be made of the Reactor and the Hot Lab. For the College Visitors' Day, appointments with scientists will be made for students with specific questions. Exhibits are being polished up, workers are practicing cheerfulness, and the scientific "answer men" are steadying their nerves.

A limited number of tickets are still available for BNL employees, their families and their friends. Come out and see the other facilities and programs at BNL. For further information, call extension 2345.

## DANCE EXHIBITION - - LESSONS

"Waltz a little faster, dear, it's a fox trot!" Sound familiar? If it does, then perhaps you better come out and see how it's supposed to be done.

Arrangements have been made to bring two professional instructors out from the Arthur Murray Dance Studio to exhibit the latest steps, review the older ones and answer your dancing questions. Free instructions will be given on this first night, October 31, Tuesday,

at the Recreation Building at 8:30 P.M.

A course of instructions will be offered beginning the following Tuesday at 8:30 P.M. It will consist of 10 lessons at a cost of \$1.50 per person per lesson. Bring your wife, husband, boy or girl friend or come stag.

If you want a job done, give it to a busy man. He'll have his secretary do it.

**BASKETBALL LEAGUE ORGANIZING**

The first step in the league planning will be taken this Friday, October 20th, at noon in the Recreation Office. A meeting will be held with all last year's captains and representatives of any group wishing to enter a team this year.

Last year the league featured some rule modifications which were designed to cut down the hectic pace and give an opportunity to more of our employees to compete in their favorite sport regardless of age or ability. The basic rule change eliminated the fast break and gave rise to the name "slo-break basketball."

The plans are to begin the season early November. All you need is seven players to field a team. If your department does not have a team, call G. Sabine, Ext. 391, and you will be placed on a team roster.

**SEMICONDUCTOR RADIATION DETECTORS**

Since the subject is one that may be of interest to many people who were unable to attend the Brookhaven Lecture, the following is a summary of the lecture given by G.L. Miller on semiconductor radiation detectors.

Most of the basic research at Brookhaven makes use of nuclear radiation. The familiar Geiger counter can detect an individual ray but it does not distinguish a gamma ray from a beta ray, or tell anything about the energy of radiation. Two other types of gas-filled detectors and scintillating crystals have been used to obtain more detailed information about nuclear radiation. In the last few years, another type of detector has been developed, using semiconductor materials, that has marked advantages over the others for a number of applications.

G.L. Miller described how this new type of detector works and explained a recent experiment that exploited its unique qualities. Directly or indirectly, a nuclear ray produces charge, heat and possibly light in the material of a detector. For a given loss of energy, a much greater charge is produced in a solid than in a gas, so that solid detectors should be substantially more sensitive. The problem is how to measure that charge. Because of the large number of free electrons in a metal conductor, the charge produced by an ionizing particle in the metal conductor is completely obscured. Perfect insulating crystals would work, but even a diamond has many imperfections that trap the charges so that no useful signal can be brought out for measurement. However, nearly perfect crystals of silicon and germanium have been developed and

produced in volume for the transistor industry. These crystals are called semiconductors because they have properties between those of conductors and insulators. Though not the ideal material, they have been made very useful detectors by employing a number of tricks.

The new detectors are small in size. This is an advantage for detecting energetic charged particles, but a disadvantage for detecting gamma rays. They are substantially better than the older detectors for measuring precisely the energies of charged particles. Because they are insensitive to uncharged radiation, they were recently used inside the reactor to measure the distribution in energy of the charged fragments which are produced by the fission of  $U^{235}$ . It has long been known that  $U^{235}$  may fission in a variety of ways. The new detector has revealed this process in great detail.

Bell Telephone Labs, the pioneer in semiconductor research, generously invited BNL to cooperate in studying the use of semiconductor materials for radiation detection. This program has been a great benefit to Brookhaven, and the lecture by G.L. Miller could not have taken place without it.

**LEARN TO SWIM**

Classes are now being organized to teach you how to swim or if you're struggling along - how to swim a little better.

**Adult Classes** are offered to employees and their wives or husbands. Lessons will be held on Wednesday evenings 5:15 at our pool. Each session will be one hour long, once a week for a period of seven weeks. The fee for the entire course will be \$4.00 per person. Please register as soon as possible. Registration fee **must** accompany your application. Send or bring to G. Sabine, Ext. 391. (Make checks payable to B.E.R.A.)

**Registration Deadline** November 1st. Classes will begin November 8th (Wed.) if enough employees sign up.

**Children's Classes.** A class for children (at least four feet tall) will be organized on Friday evenings from 6:30 P.M. to 7:30 P.M. starting November 10th if enough children are registered in advance. The length of course, fee, and registration procedures are the same as for the adult class.

**ANSWER TO CHESS PROBLEM**

WHITE	BLACK
1 N x N/7	1 B x N
2 N x N Check	2 P x N
3 Q - N4 Check	3 K - R1
4 Q - N5	

**FISHING CONTEST**

D.A. Ravenhall did it again so far this month by picking a 331 point, 6 lb. 10 oz. blue from the surf at Moriches Inlet. The flounders are moving into Shinnecock Bay and the next few weeks should see some peak catches in that area. Enter all your fish and give Al some competition.

**RENTAL LIBRARY**

Among the recent additions to the rental library at the Personnel Office, 58 Brookhaven Avenue, are:

STREETWALKER	ANONYMOUS
THE SEA CHANGE	E.J. HOWARD
TONGUE OF FIRE	E. FRANKEL
THROUGH STREETS BROAD & NARROW	G. FIELDING
THUNDER HEIGHTS	P. WHITNEY
SOPHIA	P. BOULLE
THE STRONG MEN	J. BRICK
NIGHT WITHOUT END	T. MACLEAN
THE WHITE RAJAH	N. MONSARRAT
STRANGERS ON THE SHORE	D. KIKER
SKYLINE	E. FOWLER
THE NEPHEW	J. PURDY
WOMEN CONFIDENTIAL	L. MORTIMER
A PASSION FOR LIFE	D. CHIANG
THROUGH DOOMS OF LOVE	K. STERN
TEMPO DI ROMA	A. CURVERS
THE TASTE OF ASHES	B. STERN
THE NIGHT THEY BURNED	
THE MOUNTAIN	T.A. DOOLEY, M.D.

**UPTON RIFLE - PISTOL CLUB**

Large Bore Rifle shooting at 300 yards starts this Sunday, October 22 at 2 P.M. A one-hour sighting-in period will be held starting at 1 P.M. Contact A. Lukas, Ext. 769, for details.

**CAMERA CLUB**

The next meeting of the Camera Club will be held Tuesday evening, October 24, at 8:00 P.M., in the Recreation Hall (apartment area). All who have occasion to use the darkroom are urged to attend, as well as all who are interested in color photography.

**GYM CLOSED**

The Gym will be closed for all recreational activities, because of the preparations for Visitors Days, beginning Monday, October 16. It will reopen on its winter schedule November 6th.

**NUCLEAR FALLOUT SURVIVAL INFORMATION**

To receive Civil Defence information on Nuclear Fallout Survival complete this coupon and mail to C. Distenfeld, Building 901.

NAME .....

BUILDING No. ....



## BERA BOWLING

### Green League

The Fire Department has gotten off to a good start by winning its first three matches. The department swamped the Old Timers III 4-0. Texiera led the way with 213, 214/605. Strier, Newham and Kinney helped out, with scores of 190, 182 and 184, respectively.

The Old Timers I rolled over the Gnats, who have not yet won a game, by 4-0. Adams had a 190 for the winners.

The Reefers, with three men again, beat the Black Birds, 3-1. J. Lucas came through with a 194, 210/560, followed by J. Fampe, 199, and J. Scandizzo, 193.

The Electrons split with the Old Timers II. Dvorak came up with 180, 181 for the Electrons. Holmquist and Gilmartin of the Old Timers II had scores of 182/502 and 190, respectively.

### Blue League

The Splitters are really rolling up a full head of steam. They took all four points from the Sleepers. The men of the Splitters who laid down the heavy smoke screen were J. Gallagher 475, G. Spira 184/518, and B. Sick 212/541 (high for the night). R. Meier led the Sleepers with a 466 series.

The Leftovers and the Needlers rolled it off for the first time with the Leftovers taking all four points. The game was so quiet that C. "Dad" Ruege almost fell asleep rolling a 503 series. He was backed up by J. Svoboda 453, and P. Klotz 453.

The Bubble Finks are off to a slow start by taking only one point from the Bubble Boys. Baer for the Finks looks like good material 200/466. The B. B.'s also had one good man, Frantz, with a 483 series.

The Skins gave the Nuclides a good haircut, taking 3 points. The Skins who did the clipping were H. Weinmann 446, P. Borzi 466, A. Schroeder with a 477. The hardest man to clip was L. Kuckacka 172/440.

It seems that the Alleygators are the most polite team in the League, for they once again gave away 4 points. The nice guys of the Alleygators rolled a 1981 for team series. The blackshirted Techs had Hildenbrand 463, Heins 466, and, last but not least, "weak-handed" Larsen 190/519.

### Purple League

The Designers got together and gave the Scotchies a hard time taking the match 3-1. For the Designers it was L. Chirco 178, J.R. Cuccia 180, Ed Sperry 181/530, J. Rocklein 228/581. The Scotchies had J. Mead 170, B. Galen 187/525, J. Pontieri 164.

The Woodbutchers went to town and shaved the Toppers down for 2 points. The Woodbutchers were J. (Pop) Seitz 177/480, W. Ruppert 177, W. Milian 176/484. The Toppers had C. Bubka 177, J. Nocar 193/492, P. Reany 195/527.

The Phoubars led by hot R. Brown 225/549, took 3 points from the Bowl Aids, helping Bob were R. Vogt 183/486, E. Caiazza 161. For

the Bowl Aids it was Dick Schulz 187/508, Joe McIver 157.

The Hopefuls with all their hopes on E. Sundberg 202/567 took 3 points from Fiscal. Helping were Ken Thomson 187, Alex Hanson 154. For Fiscal it was Bill Coughlin 199 and H. Bohm 170.

### SCUBA!

The definition of SCUBA is "Self-Contained Underwater Breathing Apparatus," better known as Aqualungs. Have you ever wondered what it's like to see the world from a fish's eye view? If so, you will have your chance to try Scuba diving at the Second Annual Open House to be held by the Brookhaven Divers Club on Monday, October 30, 1961 at 8 PM in the Pool.



The above picture was taken by a home-made underwater camera constructed by a member of the Skin Diving Club.

Among the attractions at the Open House will be a display of all types of diving equipment such as tanks, regulators, suits, safety devices and accessory equipment such as depth finders, rafts and a PortaSub. Club members will also give a demonstration of diving techniques and equipment. Visitors will then be permitted to don gear donated by club members and try it out under the supervision of experienced divers. (In the interests of safety, non-swimmers and children under 12 will not be permitted to use the equipment.)

The Divers Club will also sponsor a Skin Diving Class which will be organized early in November. If you are interested in becoming a member of the class, come down to the Open House and see what it's all about. Class applications will be available on the night of the Open House.

For further information, contact Bill Sceviour, Ext. 593.

### BULLETIN BOARD CLASSIFIED AD POLICY

1. Employees only may place ads in THE BULLETIN BOARD.
2. All items advertised for sale must be property of an employee.
3. Real estate ads will be accepted only when they involve change of residence by an employee, and are accompanied by a statement of ownership and change of residence.
4. No ads for business purposes will be accepted.
5. Ads must be submitted in writing (preferably typed) by 3 p.m. Friday for inclusion in the next week's newspaper. Address the ads to THE BULLETIN BOARD, 58 Brookhaven Avenue, or deliver them to the Personnel Office. Ads must contain a signature and Laboratory telephone extension. If you do not want your name to appear when the ad is printed, put it in parentheses.
6. Ads are run on a space available basis. If your ad does not appear due to space reasons, it will be held for inclusion in the next issue of THE BULLETIN BOARD.
7. If you wish to repeat an ad, it must be re-submitted.

### WANTED

BABY SITTING JOBS - Will care for pre-school children for working mother, fenced in yard, play equipment; Bohemia, convenient to Sunrise Highway. LT 9-5469.

PLAY-PEN - in good condition. Yoel, Ext. 581.

FRENCH POODLE - miniature or regular, as a house pet only, old or young, not for breeding. Can not afford to pay much. J. Archambeau, Ext. 301-63. Also; Single bed, bunks, croquet set, grill, swing set, jungle gym, picture frames, short wave receiver to pick up Montreal or France.

MOTHERS HELPER - Reliable with driving license wanted for occasional sitting (2 girls 10, & 12) light housework etc. Call Mrs. Henry J. Koch, Ext. 702.

GIRL SCOUT UNIFORM - Size 10. Hat, scarf, and belt not necessary. Gordon, Ext. 2416.

PLAYGROUND EQUIPMENT - Donation of any indoor or outdoor playground equipment or toys for Center Moriches Coop Nursery School to start November 1. Will pick up, for details call Mrs. Levine, AT 4-0248.

Members for Adult ballet class being formed at 8:45 Wednesday evenings. Anyone interested, Call GR 5-4690.

USED PIANO - Fran. Ext. 2167.

GLOBE - Hi-bander 6/2 meter transmitter or Johnson 6/2 exciter, any cond., cheap. Ext. 2314.

1 METRONOME & ACCORDION - 120 Bass, Ext. 2430. P.A. Pion.

Going to Europe in 1962. Willing to bring back automobile for anyone interested in buying a European car. Contact J. Weiss, Ext. 2472.

10 IN. SLIDE RULE - Log Duplex K&E or equivalent. H. Courtney. Ext. 540.

SAILBOAT RIG - Mast and rigging, 36 to 40 ft., boom about 18 ft., sails. W. Braddon, Ext. 396.

## CLASSIFIED ADS

## FOR SALE

1959 WILLYS JEEP STATION WAGON - 4 wheel drive, 16,000 miles, gd. cond. \$1700. Ext. 2154, Chick.

1959 CHEVROLET IMPALA - convertible, 250 hp, black, red interior, st. shift, \$1650. SE 2-8818, evenings.

1955 PLYMOUTH - 4 dr., st. shift, clean car. SE 2-3338.

1957 FORD THUNDERBIRD - r&h, excellent cond., 43,000 mi. \$850. SH 4-3788.

1959 VOLVO - PV544, 2 dr. sedan, beige, 4 speed trans., r&h, seat belt, new rubber, exhaust system and battery, 50,000 miles, ex. cond. Dan, Ext. 572.

1957 OLDS - "88," 2 dr. pwr. steering and brakes, auto. trans. \$650. Ext. 613 Ford-Smith.

1960 MGA - Just tuned. 19,000 miles, one owner, asking \$1700. Ext. 2445, Bill Beard.

1955 CADILLAC - hard top, r&h, pwr. brakes and steering, two-tone, white and green, very gd. cond. \$900. Marie Follenius, Ext. 107.

1951 STUDEBAKER CHAMPION, 4 dr. with std. shift and overdrive. V.G. mech. cond. and clean inside. No repairs needed. \$200. Ext. 491.

1951 OLDSMOBILE, 2 dr., hardtop, r&h, 55,000 miles, 8 cyl. Hydramatic, \$100. C. Reed, Ext. 2182.

12 FT ALUMINUM DURATECK RUNABOUT - with Mastercraft trailer, winch and stop light, other extras. Call Ext. 624.

26' DOUBLE ENDER - New 4 cyl. diesel. Life Jackets, pulpit, plus big trailer, two bunks, \$1600 takes it. Sonny, Ext. 2154 or PA 7-4925.

AUX. YAWL - Sacrifice. New 1960 30x8x3.6' Dacs. SS Marconi Rig. Ideal for safe, fast family cruising. Sleeps 6, full headroom, enclosed head, good galley. Make offer. Ext. 2324.

26' JERSEY SKIFF, 1958, W.J. Deed Design, 115 hp Mercury, V-8 conv. fresh water cooling, sleep 4, foam rubber mattress, double stateroom, full headroom, galley, head, ice box. \$4000. Ext. 2578.

75 GAL. RHEEM HOT WATER HEATER - \$50. Ext. 2154 or PA 7-4925.

GLENWOOD COMB. - Oil and bottled gas range with oven and broiler. In good cond. complete with constant level valve, \$40.00. AT 6-1207.

ONE MEDIUM SIZE DIVING SUIT - \$20. Ext. 481 or after 5:30 P.M., HR 2-1151.

2 SNOW TIRES, recaps used 4 months, size 640x15, 2 for \$15. Dee, Ext. 301-37 after 6 AT 6-8909.

"GOLD HILL CHAIR" - Teak and leather stool. Made in Denmark. Replica of oldest existing piece of furniture in Scandinavia (a.1300B.C.) New in origin! box \$25. Fischer, Ext. 618

BOAT TARPAULIN, Waterproof, cut to fit 22 to 25 ft. cruiser, hemmed, w/grommets. Costs \$78. Used one winter, Sell \$50. J. Mapes, Ext. 2135.

½ H.P. DEEP WELL JET PUMP - used. Good cond., was used on 105' well. \$40. Charley Porcaro, Ext. 2389. Bet. 12:00 & 12:30.

24" GIRLS SCHWINN BICYCLE - Almost unused \$19, Sandy Wagner, Ext. 618.

JOHN WOOD 40 GAL. AUTO. GAS HOT WATER HEATER - Asking \$25. Sinclair Model BN-3 oil burner heating unit, base for floor mounting, controls included, \$30. H. Pfister, Ext. 2128 or HR 2-1409.

ARGUS C-4 35 MM CAMERA with case, \$25. Crown 8 mm turret movie camera with three (3) f1.8 lenses (new) \$25. Call H. Shipley, Ext. 448.

CAMERA, 35 MM - Adox, Xenon F2 Lens, German made. Leather carrying case, good cond. Asking \$25. Stan Anderson, Ext. 2254 or JU 1-7854.

RUGER "BLACKHAWK" - .44 Magnum Revolver. NRA. v. ex. cond. with holster. Bullet mould and 50 rounds ammo. Permit required. Price very reasonable. P. Buhl, Ext. 354.

FISH TANKS - (5), from 5 to 20 gal. capacity with gravel, airfilters, thermostats, reflection lights, pumps, etc. LI 1-3952 after 6:30 p.m.

PINK VINYL BOOTH - with matching formica top table. Ideal for recreation room or breakfast nook. \$30. Three piece wicker furniture set, 2 chairs & table. \$10. Four maple kitchen chairs, \$8. AT 9-1741.

FOUR BAND SHORT WAVE RADIO - Heathkit, 1 yr. old, \$30. Table model RCA Twin speaker radio, 2 yrs. old. \$10. Jim Reilly. Ext. 2387.

PLAYPEN - 2½x4 ft. Good shape. \$3. McRickard. Ext. 691.

RIFLE - Fine cond., Savage M-99, Weaver K6 scope, sling, case, ammo. \$120. Miller. Ext. 2382.

5 MAN INFLATABLE LIFE RAFT - good cond. \$20. 2-step end tables and round coffee table, formica tops in mahogany, good cond. all \$20. 2-matching small couches for recreation room, good cond. \$15. for both. Ping-pong table good cond. \$10. Stan Anderson, Ext. 2254 or JU 1-7854.

26 IN. GIRLS BIKE - fair cond. \$8. K. Fournery. Ext. 382.

GUITAR - new, authentic, purchased in Spain, never played. Handsome instrument. Ext. 407.

TAPE RECORDER - German made UHER, stereo recording and playback, 3 speeds, 4 track, 2 amplifiers. List pr. \$399, one year old. Best offer over \$200. H. Stengl, Ext. 733 or after 6, Ext. 2281.

1958 EVINRUDE - 18 h.p. outboard motor. Used 1½ seasons, excell. cond. Has a variable pitch propeller. Make a reasonable offer, Tut. Ext. 2205.

## LOST &amp; FOUND

JACKET - Mens, Green, found in Library. Call Personnel Services, Ext. 2107.

FILM - found roll of exposed 35mm B & W film. Call Personnel Services, Ext. 2107.

JACKET - Brown Suede jacket found at Tuesday Supervisory Seminar. Call Personnel Services, Ext. 2107.

EYEGLASSES - Lost, mens, grey frames. If found call Jersey Rose, Ext. 742.

RAINCOAT - Lost, mens tan water resistant gabardine raincoat, mistakenly taken at cafeteria. Ext. 697.

## CARPOOLS

Want to join carpool from East Moriches, J. Archambeau. Ext. 301-63.

Ride wanted or will join carpool from Brightwaters - Bay Shore area. N. Kelly, Ext. 2105.

Desire to join or form carpool from Smithtown, Joyce Smith, Ext. 578.

## FOR RENT

APARTMENT - 4 room furnished with bath. AT 6-8975.

APARTMENT - 4 room. SE 2-6070.

NEW RANCH HOUSE - 2 bedroom, furnished or unfurnished, full basement, large kitchen, refrigerator & range incl. 7 miles from Lab. \$85.00/mo. J. Marinuzzi, Ext. 774.