

the Bulletin Board

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MARCH 20, 1962

BERA FILM SERIES SPECIAL BONUS MOVIE

March 22 Lecture Hall 8:30 p.m.

"The Cow and I" with Fernandel is being shown in addition to the regular schedule. All series ticket holders will be admitted free - tickets will not be punched.

In "The Cow and I" Fernandel acts out a gentle account of a prisoner-of-war escape story. The escape has almost a classic simplicity. A French soldier, held in a German prison farm, takes one of the cows and a milk pail and walks the cow 400 miles to the border. This bucolic little comedy includes reflections on the absurdities of war, but for the most part it is content with the humors of Fernandel's affection for his bovine co-star.

FIFTEENTH BROOKHAVEN LECTURE

On March 14, Dr. A.O. Allen of the Chemistry Department gave the Fifteenth Brookhaven Lecture. His subject was the radiation chemistry of aqueous solutions. High-energy radiation decomposes aqueous solutions into hydrogen and hydrogen peroxide, which are characteristic of the water, and the radiation also causes reactions of the solute far out of proportion to the amount of solute present. The amounts of these products depend upon the radiation quality. Alpha particles produce much more hydrogen and hydrogen peroxide and less reaction of the solute than do gamma rays.

A theory which explains these facts is that the radiation causes the water molecules to break up into fragments, called free radicals. These free radicals are formed in small clusters containing about ten radicals. As they diffuse away from the region in which they are produced, some of the radicals combine to form hydrogen and hydrogen peroxide. Others escape this combination and react with solutes present. In the case of densely ionizing radiation, such as alpha particles, these clusters are produced close together and more of the radicals combine to give products.

The reducing free radical, which leads to hydrogen formation, has a unit negative charge, as was shown by add-

FINAL CONCERT - MARCH 29



The Drolc String Quartet

Brookhaven Center Admission \$3.00 Thursday, March 29 8:30 p.m.

Formed in Berlin in 1950, The Drolc Quartet worked on repertoire for two years before its concert debut. Its success was instantaneous and launched the quartet's international career, including tours all over Europe and throughout South America. When the Drolc Quartet made its first London appearance in 1960 the critics went overboard with such praise as "remarkable" - "exciting" - "should take its place among the great ensembles of the world" - "brought back vivid memories of those pre-war days in which the greatest European quartets were frequent visitors to London."

This month the Drolc Quartet is undertaking its first U.S. tour. Its repertoire includes classic, romantic and contemporary works. The program will include quartets by Haydn, Honegger and Brahms.

ing inert salts to certain solutions. This identifies this free radical as a "wet electron." It is apparently an electron that is stabilized by the positive dipoles of the water surrounding it. The oxidizing free-radical does not have any charge and is apparently an hydroxy radical, OH·.

TELEPHONE TROUBLE

If noise on the line or other difficulties are encountered during intra-Laboratory calls, please notify the Chief Operator (Ext. 333) immediately so that the trouble may be traced. (This information is also in the front part of the BNL telephone book).

EXPECTANT MOTHERS' CLASSES

The first series of Expectant Mothers' classes for 1962 in Brookhaven Township came to a close on Thursday, March 8.

A new series of Expectant Mothers' Classes, sponsored by the Suffolk County Department of Health, will begin on Thursday, March 22, at 2:00 p.m. The classes will take place in the Ross Building on the grounds of the Suffolk Community College under the leadership of Miss Phyllis Ryker, Public Health Nurse. This is a free service.

Please register by calling SE 2-3949 or write Suffolk County Department of Health, Box 97A, Selden, New York.

THIS WEEK'S VISITORS

This afternoon, fifteen graduate nurses from Central Islip State Hospital will tour the Medical Department.

*Arrivals and Departures***WELCOME TO BNL**

BIOLOGY	
Etsuo Amano	Ext. 384
Andrew C. Ruzicka	2151
CONTROLLER'S OFFICE, A.U.I.	
David J. Orenstein	2117
MEDICAL	
Joseph Sylvester	301
PHYSICS	
Richard N. Buteau	791
Inge Heus	452
PHOTOGRAPHY & GRAPHIC ARTS	
Joseph H. Jones	2229
PLANT MAINTENANCE	
Thomas Eff	2389
John Potokin	639
PURCHASING	
Alice M. Bealey	2493
SUPPLY & MATERIEL	
Raymond J. Archbold	470

LEAVING BNL

CHEMISTRY	
Priscilla Kaufman	
MEDICAL	
Vincent J. Volini	
NUCLEAR ENGINEERING	
Ronald Rice	
PHYSICS	
Violette Brisson	

BASEBALL BOX SEATS

BERA's box seats for the New York Mets Baseball games are now over half sold. However, there are still some choice dates open, such as the game with pennant-winning Cincinnati on May 1 and with Milwaukee on May 13. A few dates in June are still open. The month of July has been sold out, but there are several dates available for August and September. Don't wait! Make your plans and purchase your seats now at the Rec. Office.

DISCOUNT TICKETS

Discount tickets are currently available at the Personnel Office, 58 Brookhaven Avenue, for "Gideon." Starring Fredric March and Douglas Campbell, "Gideon" is playing at the Plymouth Theatre in New York.

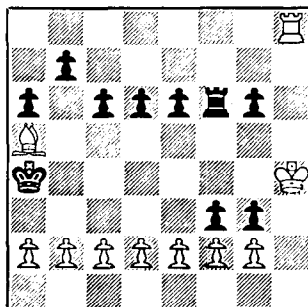
BNL LEAGUE BOWLERS —**SPECIAL EVENT**

Scores bowled during regular league bowling (to the week of March 26) will be used to determine the winner of our second special event. The highest individual single gross game (including handicap) in each of the five leagues will receive a bottle of cheer. In addition, the highest one of these five winners will receive a certificate good for one custom-fitted bowling ball. (Ties, if any, will be decided on the basis of the gross series.)

Don't forget the Mixed Doubles Tournament on May 12 which is open to all BNL employees whether they bowl in a league or not. Details will be given in a forth-coming issue of the THE BULLETIN BOARD.

CHESS PROBLEM

This week's problem is an imaginary Pawn fight for White to win, made up only as an end game study. Answer elsewhere in this week's BULLETIN BOARD.



White to move and win

BASKETBALL CHAMPIONSHIP

The Old Timers erased the memory of two early-season defeats by the Phoubars last Tuesday night as they handily defeated them 52-41 for the BNL slo-break basketball crown.

The Old Timers proved to be too much for the Phoubars as they controlled both backboards. Prach and Lanyi repeatedly boxed out their opponents as both scored 18 points. It was felt by some observers that the loss of C. Spirio affected the Phoubars morale. This may be true, but the burning question, as always is, "The Phoubar is dead — will it rise again?"

The second half standings were:

	Won	Lost
Phoubars	8	0
Old Timers	6	2
Metallurgy	4	4
Untouchables	4	4
Chuckers	2	6
Biology	0	8

FULL MASTER POINT GAME

The duplicate bridge game at 8:00 p.m. Thursday evening will award a full master point to the winners. A large turnout is expected.

Those teams that plan to compete in the team-of-four event on April 12 will please notify Bob Dvorak, Ext. 618.

Mr. and Mrs. Verdin, winners of the March 8 game, showed good duplicate strategy in reaching 3NT on this hand:

	Neither vulnerable
W—MRS. VERDIN	E—MR. VERDIN
S. Q 8	S. K 7 5
H. A 7 3 2	H. 5
D. K 10 9	D. 6 4
C. K Q J 4	C. A 10 7 6 5 3 2

Mrs. Verdin as dealer opened the West hand with 1C; after a pass by North, Mr. Verdin made a very wise choice with a bid of 3C. His reasoning was that if partner bid 3NT, it would probably be makeable. If partner chose to go to 5C (which might be off three top tricks), the opponents were probably cold for 4H. Although the 3C bid was a lie about the hand's high card strength, it did achieve its purpose of convincing South to stay out of the bidding. Mrs. Verdin steered into the excellent 3NT spot and made 9 tricks. And all the while N-S remained unaware that they had a breezy 10 tricks at a heart contract.

BOWLING TROPHY**AWARD DANCE**

Once again it has come to the end of the bowling season, when everyone looks forward to our Bowling Trophy Award Dance. (Free Happiness Inhaler per Team.)

The format for these dances was put down some years ago and if one can judge from past results, this year's dance will go over with a "bang."

The main body of the dance committee was selected as of March 15. This does not mean the committee will not accept help in any form. If you can afford to give a couple hours of your time, contact G. Fales, T-197, Ext. 2359, Dance Committee Chairman.

The date selected for the dance is Friday, April 27. The place once again is the Gym.

Don't forget the date, April 27, and all you bowlers bring your partners.

FENCING CLUB

The Fencing Club will meet as usual on Wednesday, March 21, at the Gymnasium from 5:00 to 7:00 p.m.

**PINK LEAGUE****BERA BOWLING**

The Dipions lashed out and took 3 from the Allthumbs. High for the Dipions were J. Reidl with 188/447, E. Norton with 186/409, and V. Austen converting the 4-6 split. G. Fales rolled 190 for the Thumbs.

The Question Marks took 4 from the Twinkletoes. L. Bartos rolled 155, 158, 155/468, and D. Dioguardo rolled 152 for the Question Marks.

The Contacts won 4 from the Nightingales. For the Gales L. Hill rolled 180/448, J. O'Connell converted the 5-7 split and M. Heine the 2-5-7 split. For the Contacts E. Humphrey rolled 188/463 and is now tied for 2nd high gross game with 258 and 1st high gross series with 673.

RED LEAGUE

The tie has been broken, that is for last place. From the cellar up it is Mecca, Ah So, and H.P. Outs.

At the top it is Utilities 61½, Biology 59, and Cosmos 52½. Utilities were frightened when Ah So took the first two games. The Utilities then showed their class, with T. Larrocci rolling 228, Connelly 205, and Varela 205 in the last game, thus earning a 2-2 split. It was enough to pull further ahead of Biology who could only take one point from H.P. Outs. The teams have been warned to look out for the H.P. Outs.

The man of the evening was Varela rolling 205, 209/600 for the Utilities. For the season it is Connelly of the Utilities with a 606 High Series and Brockbank of the Ah So with a 692 High Handicap Series.

GREEN LEAGUE

The Fire Department came alive winning 4-0 against the Old Timers III. Bowling well for the winners were Rhodes 203/510, Newham 201/519, Takats 213/559, Texeira 190/543, and Strier rolling two 180 games. Ross tried hard for the losers rolling 200/538.

The Old Timers I stayed close to the leaders beating the Gnats 3-1. Adams, McKenna and Hardman rolled well for the winners with 199/511, 195/507, and 184/529 scores respectively. Van Norman rolled 182/528 for the losers.

The Reefers finally came out with a 3-1 win over the Black Birds. Lucas and Ratyca lead the way for the Reefers with 226/591 and 202/525 respectively. For the Black Birds German rolled 182 and Zelenka rolled 194.

Frei went wild with a 256 (High Game)/564 series and Reams helped with a 194/556 to beat the Electrons 3-1. Tomesch rolled 186/530 for the losers.

PURPLE LEAGUE

The Phoubars won their match with the Bowl Aids 3-1, the latter getting together to take the last game. Phoubars best were Vogt 213/558, Gardinier 188, and Caiazza 180. The Bowl Aids best were McIver 188, Schulz 166, and Walsh 163.

SOFTBALL LEAGUES FORMING SOON



**ENTER
YOUR
TEAM
NOW**

Join the fun! Here's your way to make friends and keep fit. Enter your team now. Slow pitch softball is the game we play at the Laboratory - "The game that everyone can play and enjoy." Last year we had a record number of teams - fourteen entries playing in two leagues using two fields. This year the indications are that we will have even more. Our games are played at 5:15 p.m. during the week. Each team plays once a week for a season of about fifteen weeks.

The first meeting of representatives wishing to enter a team in the leagues will be held in the Recreation Office on Friday, March 23, at noon. We are aiming at May 1 as Opening Day.

Players Pool - If your department doesn't have a team, call Ext. 391 and enter your name to be placed on a team looking for players.

The hard rolling Scotches nosed out the Designers in all 3 games to sweep their match 4-0. Scotches on the ball were Johnson 186/514, Galen 176/490, and Cermak 159. Designers trying were Dick 184, Roecklein 180/503 and Cuccia 180/488.

The Toppers beat the Woodbutchers 3-1, the latter coming through in the last game. The top Toppers were Scatton 211/555, Reany 205/519, and Zavesky 159. Woodbutchers best were Benson 202/491, Milian 180/487, and Ruppert 159/472.

The Hopefuls also won their match with Fiscal 3-1, both teams now being tied for the cellar spot. The Hopefuls best were Thomson 158, and Hanson 156.

BLUE LEAGUE

The mighty Techs went down to defeat as the Skins took them for 4 points. Lento rolled 204/546 while the Techs had Larsen 214, 207/584 and Hildenbrand 212/524.

The Alleygators took 3 points from the Leftovers. McGovern rolled 212/554, Lambeck 200 and Stelmashuk 182 for the winners. Svoboda rolled 197 for the losers.

The Needlers took 3 from the Splitters. Sunyar rolled a 208/530 and Majeski rolled a 182/505. For the losers Sick rolled 193/530 and Carter rolled a 172.

The Nuclides took three from the Bubble Boys. For the winners Kukacka rolled 176, and Read 174 while Frantz rolled 170 for the losers.

The Bubble Finks went and took 3 from the Sleepers. Top men for the Bubble Finks were David 175 and Meier 197.

PERSONNEL RECORDS

To All employees: Be sure to report any changes in home address or telephone number to Personnel Records, 58 Brookhaven Avenue.

SOLUTION TO CHESS PROBLEM**WHITE**

1. B-Q8
2. K-R3
3. R-R4†
4. P-R4†!
5. P-N4†!
6. P-B4†!
7. P-Q4†!
8. P-K4†
9. P-B4 mate

BLACK

1. PxNP
2. P-N8 (Q)
3. K-N4
4. K-B4
5. K-Q4
6. K-K4
7. K-B4
8. K-N4

Note the far-reaching importance of White's first move!

To fill in the sidelines: on 1 . . . PxKP, the sequel is 2 KxP, P-K8(Q) 3 R-R4†, K-N4 4 P-R4†, K-B4 5 P-N4†, K-Q4 6 P-B4†, K-K4 7 P-Q4†, K-B4 8 R-B4†, K-N4 9 BxR! K-R3 10 R-R4 mate; and, analogously, on 1 . . . PxBP, the solution runs: 2 K-N3, P-B8(Q) 3 R-R4†, K-N4 4 P-R4†, and so on, as before.

Absolutely magnificent!

ACHTUNG!**ALLES LOOKENSPEEPERS**

Das computenmaschine is nicht fur gefingerpoken und mittengrabben. Ist easy schnappen der springwerk, blowenfusen, und poppencorken mit spitzensparks. Ist nicht fur gewerken by das dummkopfen. Das rubbernecken sightseeren keepen hands in das pockets - relaxen und watch das blinkenlights.

From LASL NEWS - 2/1/62

There is really only one beautiful child in the world and every mother has it.

CLASSIFIED ADS

FOR SALE

1961 FORD GALAXIE - 2 dr. hard top, white exterior, red & white inside, r&h, w/w, auto. trans., windshield washers, padded dash & visors, full wheel covers. Economy 220 hp eng. R. Skelton, Ext. 2248.

1960 CORVAIR 700 - White, 4 dr. sedan. R&h, nearly new tires, new muffler, very good cond. Asking \$1050. M. Greene, Ext. 779 or AT 6-0237 after 5:30 p.m.

1961 FALCON - 2 dr., manual shift, excell. cond. Must sell, leaving country. E. Yellin, Ext. 2560.

1951 PLYMOUTH - 6 cyl., std. shift, runs well, good tires. Reasonable. K. Foley, Ext. 426.

1953 STUDEBAKER COMMANDER - Black, w/w, real wire wheels, excell. mech. cond. \$175. Ext. 2464.

1960 MGA - Fully equipped, very good cond. One owner, only 15,000 miles. \$1575. Ext. 2413 or YA 4-6140.

1956 FORD FAIRLANE - 2 dr. hardtop, Thunderbird "Special" engine, auto. trans., blue & white, new tires & battery, r&h, A-1 cond., many extras. T. Constant, Ext. 2455 or AT 6-8907.

1962 MGA - Unable to sell family heirlooms, forced to sell beloved sports car consisting of r&h, tonneau cover, disc wheels, undercoated, luggage rack. Red with black interior, excell. cond. Ext. 2178.

1956 CHEVROLET - 2 dr., hard top, power glide, power pack V-8, r&h, tinted windshield, windshield washer, good rubber. Very good cond. 64,000 miles, one owner. \$550. G.C. Kinne, Ext. 593.

DUTCH COLONIAL HOUSE - Patchogue, 6 rooms, 3 bedrooms, 20' liv. rm., cypress paneled sunken din. rm., 2 baths, oil/hw heat. 60' x 183' plot with beau. shade trees, 2-car gar. Close to village, low taxes. L. Van Kollen, Ext. 445.

RANCH HOUSE - 3 bedrms., liv. rm., din. rm., den, fireplace, attached gar. 1/3 acre lot. Sayville, one yr. old. \$1400 and take over mortgage. LT 9-2174 after 6:00 p.m.

SPEEDBOAT - Higgins 17'9", powered with Chrysler Ace 95 hp. Boat & motor completely rebuilt in 1961. Hull has new fiberglassed bottom, nautolex cockpit flooring and new varnishwork. Complete with new full cover, cushions, elec. bilge pump, fire extinguisher, extra monel shaft, lights, etc. Boat is fast and able, makes an excell. bass boat for inlet fishing or great for pulling water skiers. Boat is painted, varnished and ready to go. \$1145. R. Young, Ext. 591.

1961 BORUM FIBERGLASS BOAT - 17' long with Johnson Elec. Starting Motor 40 hp, 2 fuel tanks, 5 life jackets and 2 cushions plus many extras incl. trailer and folding hitch. Used two months only. Reasonable. GR 5-7224 between 5:00 and 8:00 p.m.

LYMAN RUNABOUT - 15'5" complete with full length boat cover, navy top with side curtains and compass. Steering wheel and compass new last year. \$320. Ext. 2193, Lucas.

18' THOMPSON - Completely refinished, twin 20 hp Johnsons with elec. starter, zero time since rebuilt. Navy top, new batteries. New running lights. \$1250. Ext. 483 or AT 9-0854.

26' RICHARDSON - 1936 Hull, Gray 100 hp 1956. Flying Bridge and Pulpit. Priced for quick sale. AT 1-8087 after 5:30 p.m.

16' RUNABOUT - And outboard motor. AT 6-8215.

NORGE WASHING MACHINE - F.O.B. Setauket. 5 years old, needs about \$60 worth of repairs to make it run, absolutely ungaranteed. Price - One dime. P. Michael, Ext. 550.

KELVINATOR REFRIGERATOR - 12.5 cu. ft. with top freezer, in good working cond. \$50. F. Pechar, GR 5-3823.

GIRLS BICYCLE - 24", except for one flat tire, it is ready to roll. \$10. W. Freese, Ext. 2520.

8' PRAM - New, unpainted. \$60. F. Rumph, Ext. 2221.

WINDOWS - 2, complete with storm windows and screen. Sizes: 3'0"x3'0" and 2'6"x4'6". Also one partition door complete. Ext. 573 or AT 1-9817.

HEATHKIT - D.F. 100 ft. complete, perfect cond. One yr. old. \$50. GR 5-0294.

SHIP TO SHORE - Hartman, 30 Watt. Ant., ground plate & mounting bracket. One year old. Perfect cond. \$200 firm. GR 5-0294.

COCKTAIL TABLES - 4 folding, with stand, black wood and masonite. \$5.00. B. Keck, Ext. 752.

WANTED

TAPE RECORDER - For 7" reels. H. Von Koch, Ext. 629 or AT 6-1225.

CRIB - In good cond. Don't you know someone else who has one to spare? F.W. Bloch, Ext. 572 or AT 6-8724.

BAR BELL SET - Ext. 354.

HOUSE - To rent or buy. Bellport-Brookhaven Village area, three or more bedrooms. Call Mrs. V. Spinrad, Ext. 503.

FOR RENT

APARTMENT - 2 room, furnished in center of Yaphank, 5 miles from Lab. \$65. per month. YA 4-3904.

FOUND

FOUND - Men's Grey leather dress glove found in apartment area. Personnel Services, Ext. 2107.

CARPOOLS

Driver wanted for three man carpool. Vicinity of East Islip or Country Village. M. Declimente, Ext. 2430.

Ride wanted from Patchogue. Call Ext. 734.

Driver wishes to join carpool from Patchogue. Call Ext. 472.