

# the Bulletin Board

VOLUME 17, NUMBER 5

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OCTOBER 22, 1963

## VISITORS' DAYS, 1963

Over 9,000 visitors topped all previous attendance records at Brookhaven's fourteenth annual Visitors' Day last Saturday, October 19.

On Friday, October 25, which is College Visitors' Day, as many as 2000 students are expected to tour selected areas of the Laboratory. In the afternoon, the visitors will form into interest groups to attend any one of a series of lectures presented by BNL scientists, as follows:

Science and the Intellectual Tradition - R.C. ANDERSON

Beyond the Test Tube in Chemistry - G. HARBOTTLE

Catalysis Without and Within the Biological Cell - D.E. KOSHLAND

Nuclear Radiation and the Defense Mechanisms of the Body - R.D. STONER

Developments in Solid State Physics - G.H. Vineyard

Saturday, October 26, is High School Visitors' Day, when approximately 150 senior high schools will be represented here. The students will tour the Laboratory, visiting the same areas that were open to the general public last Saturday.

## BACK TO STANDARD TIME

Eastern Standard Time will go into effect on Sunday, October 27. Be sure to set your clock back one hour before you go to bed on Saturday night, October 26.

## Arrivals and Departures

### WELCOME TO BNL

AGS		
Frank Flannery	Ext.	2314
CENTRAL SHOPS		
Morris Laffer		577
CHEMISTRY		
Teresa J. Conocchioli		
MEDICAL		
Alexander Nicholson, Jr.		2877
PHOTOGRAPHY & GRAPHIC ARTS		
Jeffery Knighton		2271
PLANT MAINTENANCE		
Julius S. Barki		2816

### RECENT DEPARTURES

PHYSICS	
Rose Ann Connolly	
PHOTOGRAPHY & GRAPHIC ARTS	
Franklin Ernst	

## RAMPAL/VEYRON-LACROIX DUO TO OPEN 1963-64 BERA CONCERT SERIES ON OCTOBER 29



Jean-Pierre Rampal and Robert Veyron-LaCroix, flute and keyboard

The first performance of the 1963-64 BERA Concert Series will be held on Tuesday, October 29, at 8:30 p.m. in the Brookhaven Center. The concert will feature Jean-Pierre Rampal and Robert Veyron-LaCroix, on flute and keyboard, in a program of the Bach Sonatas in G Minor, C major, E Minor, B Minor, and E Flat Major.

The Rampal/Veyron-LaCroix duo's coast-to-coast tours in the United States have led them to performances in most of our leading cities, among them New York, Washington, Minneapolis, New Orleans, and Seattle, in addition to Canadian appearances in Toronto, Montreal and Quebec. Their European touring has recently taken them to festivals in Bordeaux, Vichy, Aix-en-Provence, Menton, Monte Carlo and Chartres. This will be their third performance before a BNL audience.

"The magic of Rampal seems to be unique. In his hands the flute is three of four music makers, his virtuosity simply cannot be indicated in words, and Mr. Veyron-LaCroix is, in every respect, a worthy partner." WASHINGTON EVENING STAR

"These men are so skilled and so accustomed to playing together that their performances are utterly dazzling in themselves. Rampal is a veritable wizard of his golden flute, and Veyron-LaCroix's virtuosity applies equally to harpsichord and piano." NEW YORK HERALD TRIBUNE

"As a flutist, Mr. Rampal is about unbeatable. This was aristocratic music-making, in which the ideas of composer and performer fused into an unforgettable performance." NEW YORK TIMES

## DANGER — FOREST FIRES

Until the present drought is ended, all remote areas of the Laboratory site are **closed** to employees except when on official business.

Flames in the open are prohibited throughout New York State. Use the ash tray - don't throw cigarettes and matches out the window.

## BERA FILM SERIES

**HAPPY IS THE BRIDE**

Thurs., Oct. 24 — 8:30 p.m. — Lecture Hall

Starring

Ian Carmichael

&

Terry Thomas



An expert cast under the famed director Roy Boulting (Private's Progress, Brothers-in-Law) play it straight for the laughs bound to follow in this amiable, engaging comedy. Boulting is so well-known for his adroit manipulation of comedy sequences, and has here utilized his talented cast to best advantage.

"Domestic confusion attendant upon a marriage in a family is as surefire as a custard pie in the face. And that's what you get, with a British accent, in "Happy is the Bride". . . all the characters are amusing. That's usually the way in a Boulting film."

BOSLEY CROWTHER—New York Times

## 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 at the pool on Wednesday evenings at 6:00 p.m., beginning November 6. 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, 3 Center. (Make checks payable to BERA).

**Children's Classes** will be organized for Friday evenings from 6:30 to 7:30 p.m. starting November 8, if enough children are registered in advance. Children must be at least four feet tall. The registration fee, procedures, etc. will be the same as for the adult class.

**Registration Deadline** is November 1 for both classes.

## THIRTIETH

### BROOKHAVEN LECTURE

The Thirtieth Brookhaven Lecture was delivered by Dr. J. Bigeleisen of the Chemistry Department on "The Chemistry of Isotopes." Dr. Bigeleisen pointed out that chemical equilibrium may be affected by isotopic substitution. He talked in particular about his researches with respect to isotope effects on vapor pressures of liquids and solids. The use of isotope effects in geological and biological studies was also discussed.

The Brookhaven Lecture Committee is always grateful for suggestions of topics for future lectures. The present membership of the Committee follows:

- M.H. BLEWETT, Accelerator
- D.C. BORG, Medical
- R.L. CHASE, Instrumentation
- G. GOLDBERGER, Physics
- C.H.W. HIRS, Biology - Chairman
- J. PINCUS, Applied Mathematics
- W. WINSCHKE, Nuclear Engineering
- M. WOLFSBERG, Chemistry - Secretary

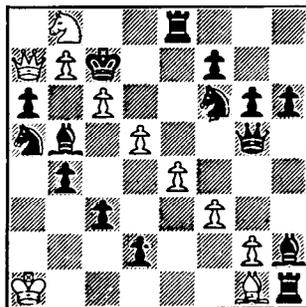
## CAFETERIA SPECIAL

Thursday, October 24

- Small Juice
- Celery & Olives
- Tossed Green Salad
- Veal Cutlet
- Two Vegetables
- Apple
- Nuts & Mints
- Beverage
- \$ .99**

## CHESS PROBLEM

This week's problem is not from a real game, but put together for study. It is White's move and win. How? Answer elsewhere in this week's BULLETIN BOARD.



## DANCE INSTRUCTION

There's still time for you to join the Arthur Murray dance classes that are now being conducted every Wednesday evening at 8:30 p.m. in the Recreation Building. Registration will be accepted by the instructors on your first visit.

## BOWLING BITS

by BOB CARCIELLO

After seven weeks of bowling, some news has at last emerged from the folds of the kegglers. Some of this news concerns the ladies of the Pink League. Grace Fales, who leads the League with a 158 average, is the first of the gals to become a 666 club member. Claire Lydecker isn't too far behind Grace, as her 151 average is second high.

Artie Uddman and his Screwballs have been setting the pace in the Blue League right from the beginning of the season. They lead the second-place Bubble Boys by five points with a record of 28-7.

## GYM CLOSED

Due to the Visitors' Day preparations, the Gymnasium will be closed for all physical activities through November 3.

## POOL OPENS NOVEMBER 5

The swimming pool, which is now undergoing maintenance repairs, will be back in shape and ready for business on Tuesday, November 5. After opening on its fall-winter schedule (Tuesday through Friday, 5:00 p.m. — 10:00 p.m.), the pool will remain open until mid-June. Season tickets will be sold at the pool office starting November 5.

## POCKET BILLIARD LEAGUE

The Recreation Office is now taking the names of those employees who are interested in forming a **handicapped** pocket billiard league in the near future. See last week's BULLETIN BOARD or telephone Ext. 391 for complete details.

## SKI CLUB

The first meeting of the BNL Ski Club will be held on Thursday, November 7, at 8:00 p.m. in the Recreation Building lounge. Plans for the coming season will be discussed.

## SOCCER!

No experience necessary. We'll choose sides and have a game every Wednesday at 5:00 p.m. on Field 1 (next to Security). For more information, call Ext. 2487 or Ext. 2627.

**BERA  
ART EXHIBIT  
OPENS  
NOVEMBER 7**

## PERSONNEL SERVICES

Recreation Office - 3 Center Street  
9:00 a.m. - 1:00 p.m.

### SPECIAL FIRE EXTINGUISHER SALE

Two types of chemical fire extinguishers are being offered for sale through Personnel Services: (1) a 2½-pound "Purple K", (list price \$17.95, our price \$10.25), dry chemical extinguisher good for oil, grease, and electrical fires; and (2) a 2½-pound all-purpose, (list price \$16.95, our price \$9.70), dry chemical extinguisher which is good for paper, wood, etc., fires as well as oil, grease and electrical fires. Both types are Underwriters Laboratories and U.S. Coast Guard approved. Order forms for shipment directly to employees' homes are available at the Recreation Office. Technical questions pertaining to the extinguishers may be directed to the Safety Services Office, Ext. 591.

### BUSINESS EQUIPMENT EXPOSITION

Tickets are now on hand for this show being held at the New York Coliseum October 28 through November 1.

### NEW YORK RANGERS

Discount Exchange coupons are now available for the games being played at Madison Square Garden on October 30, November 20, December 11 and 18, and February 5.

### NEW YORK KNICKERBOCKERS

Discount exchange coupons are available for basketball games at Madison Square Garden October 26, 29, November 2, 23, December 3, 7, 14, 21 and 31.

### ADVENTURELAND

Discount tickets are now on sale. Regular price \$2.50, our price \$1.75. Adventureland on Route 110 features among its ten amusement rides, an indoor carousel, miniature golf, round the park train and "Adventures Inn." It's open year round, weekdays 12-6 p.m., weekends 11 a.m. - 8 p.m. The discount booklet contains \$2.50 worth of script tickets good for rides of your choice.

## BROOKHAVEN LUNCHEON CLUB

On College Visitors' Day, Friday, October 25th, the visiting college students will have box lunches at the Brookhaven Center. The Luncheon Club will be served in the Tap Room.

## FOLK DANCING

Don't miss out! There is folk dancing every Monday evening from 8:00 p.m. to 11:00 p.m. at the Recreation Building in the Apartment Area.

## GYMNASIUM OPENS NOVEMBER 4

From November 4 through April, the Gymnasium will be open to 9:30 p.m. on Monday through Friday evenings. Equipment is available for badminton, volleyball, basketball, table tennis, exercising, etc.

### SCHEDULE

#### MONDAY

5:00 - 9:30 p.m. Tennis (by reservation); Table Tennis; Exercising

#### TUESDAY

5:00 - 6:45 p.m. \*Volleyball League; Fencing Club; General Activities

6:45 - 9:30 p.m. \*Basketball League (2 games 7:00 & 8:10 p.m.); Table Tennis

#### WEDNESDAY

5:00 - 7:00 p.m. Archery Club; Table Tennis

7:00 - 9:30 p.m. General Activities

#### THURSDAY

5:00 - 6:45 p.m. General Activities

6:45 - 9:30 p.m. \*Basketball League (2 games 7:00 & 8:10 p.m.); Table Tennis

#### FRIDAY

5:00 - 9:30 p.m. Tennis (by reservation); Table Tennis; Exercising

\*Exact game times may be adjusted depending on the Leagues' final structures.

## MOTOR VEHICLE SALE

Six motor vehicles, located in the Security parking lot, will be available soon for public sale.

Inspection will be permitted from October 24 through November 1, between the hours of 9:00 a.m. and 4:00 p.m. Bid opening will be held on November 5, at 2:30 p.m.

This will be a spot bid sale conducted by the General Services Administration. For further information, call Ext. 2509.

1957 RENAULT - Dauphine, 33,000 miles, good cond. \$225. Art, JU 8-7145.

1960 SAAB - 93B, \$400. LT 9-5741 after 6:30 p.m.

1954 STUDEBAKER - 5 pass. coupe. Low mileage. \$60. LT 9-5741 after 6:30 p.m.

1963 OLDSMOBILE - Starfire, excell. cond., fully equipped, power steering & brakes, \$3,500. AT 6-9190.

1961 OLDSMOBILE - Conv., bucket seats, new tires. Ext. 423.

1962 OLDSMOBILE - Wagon, white, full power. Must sell, last chance, \$2200. P. Ettari, Ext. 2407 or BR 3-6436.

1961 FALCON - Sedan, A-1 condition. R&h, good rubber, 14,000 miles. GR 5-4925 between 6 and 7:30 p.m.

1951 PONTIAC - Sedan, good cond., all new tires (2 snow). Orig. owner. \$100. Ext. 322.

1960 VOLKSWAGEN - Very good cond. R & h, sun-roof. \$800. Ext. 322.

1959 CHEVROLET - Conv. Impala. V8, r & h, full power. \$1000. Les, Ext. 593.

1957 FORD - Fairlane, V8, r&h; good trans. \$125. P. Hagerty, Ext. 2656.

1960 THUNDERBIRD - Hardtop, lt. blue w/ two tone blue interior. 25,000 honest miles. Good tires, very good cond., well taken care of. \$2200. firm. P. Warner, Ext. 425 or RA 8-0273.

1957 OLDSMOBILE - 4-dr. super 88. White; power brakes and steering. \$450. GR 5-7278 after 6 p.m.

1962 FORD - Fairlane, excell. cond. \$1350. RA 8-1184 after 6 p.m.

1962 FALCON - 2-dr. sedan, stand. trans., excell. cond. \$1075. HR 3-4602.

HOUSE - Ranch in Medford area. 3 bedrms., 1½ baths. Two yrs. old, on 100x150 ft. plot, 20 mins. from Lab. \$17,500. Ext. 2179 or GR 5-0916 after 5:30 p.m.

## CLASSIFIED ADS

### FOR SALE

1953 WILLYS JEEP - Station wagon, 4-wheel drive, new clutch, rebuilt engine, oversize rims and tires. \$575. V. Williams, Ext. 2406 or GR 5-2043.

1957 DODGE - Custom Royal 4-dr. sedan. Auto. trans., power steering, r&h, good cond. Firm \$400. H. Kramer, Ext. 623.

1960 FALCON - 4-dr. sedan, deluxe, r&h, stand. trans. Good cond. C. Briening, Ext. 2430.

1961 CADILLAC - Conv. Good cond. all around. \$2950. or best offer. AT 6-9260.

1952 BUICK - Special, has new battery, 2 new snow tires, passed NYS inspection - needs valve work. Best offer over \$25. J. Friedman, Ext. 2548.

1957 FORD - Ranchwagon, r&h, o/drive. Thunderbird V8 engine. Extra wheels with snow tires. 57,000 miles. \$425. R. Taylor, Ext. 2814 or AT 6-0615.

1957 CHEVROLET - Station wagon, body and interior good, needs valve job and ball joints. Asking \$350. E. Potter, Ext. 2456 or TU 8-1179.

HOUSE - Dutch Cape Cod, 4 bedrms., custom built on 1/2 acre in residential area. Wood paneling, hot water oil heat, w/w carpeting in living rm., 1 1/2 car garage, full basement with skylight extension, pantry with wall cabinets, screened porch. \$16,000. School bus on corner, 20 mins. from Lab. GR 5-2896.

HOUSE - 6 room Ranch. 40x45 ft. full cellar, with partly finished rec. room. Redwood shingles, full thickness insulation, baseboard hot water heat. Located in Centereach, \$18,000. SE 2-3404.

HOUSE - Lake Ronkonkoma. 2 bedrms., all kitchen appliances, storm windows, screens, garage; 100x100 ft. corner plot, walk to everything. \$11,500. JU 8-8085 after 6 p.m.

HOUSE - Patchogue. 2 yrs. old, split-level with garage. Oil heat, all appliances, cyclone fenced, storms and screens, many extras. Three bedrms., rec. room, 1 1/2 baths. All completely furnished. \$19,700. GR 5-8511.

HOUSE - Center of Bellport, near bay. 6 bedrms., 4 baths (new), new roof, insulated, 2 furnaces, 2 kitchens, 2 living rooms, a dining room; part can be rented as apartment with separate entrance. On 1/2 acre, landscaped, fenced plot. \$19,500. Keys with J.J. Roe and Donald Shaw, Bellport.

GAS STOVE - Magic Chef, 30 in. Full view oven, back panel light, timer, clock. Excell. cond. \$75. Charlotte, Ext. 2106.

LATHE - 12x24 in. Logan with chip-pan and stand. Has 3-jaw chuck and drill chuck. Ideal for hobbyist or tinkerer. AM 4-3404 after 6 p.m.

MOTOR - Westinghouse "Life Line" single phase induction motor, 1735 rpm, 1hp, hardly used. \$45. S.H. Cohn, Ext. 2891.

SNOW TIRES - 750x14. Tubeless, white wall. Used half a season. \$25. AT 6-9260.

MATTRESS - Coil-spring Beauty Rest, full size, good cond. \$25. Ext. 606.

RUG - 9x12 ft. wool/nylon rose & gray fern print. \$35. One Casco high chair, \$5. Also, Universal trailer hitch. \$1. All very good cond. AT 6-0596 or Ext. 315, D. Shaver.

HARD TOP - For MGA, reasonable. L. Barlow, Ext. 2871.

ACCORDION - 3-shift, 120 bass. Music books and stand incl. Ext. 695.

MISC. FURNISHINGS - Living room conv. couch w/inner spring mattress and foam cushions; kitchen table w/formica top and 4 chairs, metal, with foam cushions and plastic coverings. Reasonable. Goulding. 878-0227.

SPACE HEATERS - Kerosene. One, single burner, fine for boat, cellar, etc. \$7.; the other, double burner, ideal for cottage, recreation room, etc. \$16. A. Rosenka, Ext. 445.

PUPPIES - Cute, healthy, lively. Mama is a Beagle and Papa is unknown. Pups all good natured like mother. Should be on their own and avail. between Nov. 1 and 15. Asking \$5. apiece. Mac Titmus, Ext. 439 or 281-9559 after 5:30 p.m.

GARDEN TRACTOR - 3 1/2 hp w/8 in. mold-board plow, 36 in. snow blade, in good cond. Ext. 2369 or JU 5-8134 after 5:30 p.m.

SEWING MACHINE - Portable, very good cond., seldom used. Complete with attachments. \$50. Ext. 560, Foxwell.

BICYCLE - Boy's or girl's, in good cond. \$10. G. Betz, Ext. 2389.

AUTOMATIC WASHER - Maytag, 9 years old, Good working cond., has rebuilt motor and new timer. \$35. Ralph, Ext. 481 or SH 4-9921.

ELECTRIC RANGE - 40 in. Hotpoint with 3 top-heating elements, deep well, large oven, back panel pushbutton controls. S. Jones, Ext. 2526 or HR 3-4432.

REFRIGERATOR - 8 cu. ft. Kenmore, 1959 model. S. Jones, Ext. 2526 or HR 3-4432.

MISC. ITEMS - Book "Basic Electricity" by VanValkenburgh. Reasonable. Also, electric razor, Sunbeam. Bowling ball and bag. Log-log slide rule with manual. Four octave harmonica. All reasonable, L. Barlow, Ext. 2871.

TEST EQUIPMENT - Heathkit RF signal generator, model RF-1, \$30. Heathkit capacitor checker, model IT-11, \$35. Heathkit Multi-meter model MM-1, \$20. All equip. in perfect cond. and incl. test manuals and leads. All three units for \$75. P. Warner, Ext. 425 or RA 8-0273 evenings.

STUDIO BED - Couch combo.; very comfortable, clean cond. \$25. Also, electric heater, GE dual heat, \$15. Winchester Rifle, model 69A, 22 cal. with two extra 10-shot clips, all fine cond. \$15. P. Warner, Ext. 425 or RA 8-0273 evenings.

TRANSCIVER - Hallicrafters CB-3A, 8 channels, for Mobile or Home. Crystals for Ch. 11. Mobile antenna incl. \$90. Hank, Ext. 2407.

SKIFF - Amesbury, 16 ft., lapstrake construction; good rough water boat. John, Ext. 2376.

SKIFF - Jersey, with hardtop cabin, 25 ft. with 135 hp Palmer engine w/40 watt Apelco s/s. Head, sonar depth finder, etc. John, Ext. 2376.

SAILBOAT - 18 ft. centerboard sloop day-sailer. Fiberglassed hull & deck. S/s shrouds. Dacron sails by Hard, dacron running rigging. Canvas cover, anchor, paddles and running lights. Stern well for outboard auxiliary. Large cockpit. Fast, but stable family boat. \$750. firm. LT 9-5741 after 6:30 p.m.

RUNABOUT - 1961 fiberglass 14 ft. Elgin, with 40 hp elec. motor. Incl. trailer, battery, new windshield, cushions, paddle, anchor, etc. Ideal ski rig. \$495. Nimmo, Ext. 2348 or GR 5-8556 after 6 p.m.

#### WANTED

HOME - For four unusual kittens, assorted colors and shapes. AT 6-9260.

SPRING - For twin bed, size 34x73 in. AT 9-0277.

MINE DETECTOR - Or other metal-locating device, to borrow or rent for weekend. Bill, Ext. 2108 or 2305.

BABYSITTER - Will babysit days or evenings preferably in Bellport-Brookhaven area. Alex, Ext. 388.

ENCYCLOPEDIA BRITANNICA - In good cond., must be recent edition. Ext. 2509.

CEMENT MIXER - Used, approx. 1/2-bag size. Jack, Ext. 2692 or LT 9-2805.

BABYSITTER - For two pre-school age children. Working mother needs reliable woman to care for them between 8 a.m. and 5:30 p.m. Mary Lee, Ext. 2812.

BOWLER - To join ladies' league in Patchogue on Tuesday evenings. Gail, Ext. 2104.

ROOMMATE - To share house with single gentleman. Comp. furnished, waterfront with dock, located on south shore. 281-7560 evenings.

BOWLER - For ladies' league at Patchogue Bowling Center on Wednesday evenings at 8 p.m. Approx. 145 average. C. Lydecker, Ext. 2180.

#### FOR RENT

HOUSE - Furnished or unfurnished in Miller Place. Four rooms and porch. Convenient to stores. \$100. per mo. year round. HR 3-3284 after 6 p.m.

HOUSE - Bellport, furnished thru school year (or for longer period unfurnished). Close to schools and stores; 7 bedrms., 3 1/2 baths. Ext. 2866.

HOUSE - Furnished, 2 bedrms., dining room, garage. 9 miles from Lab. \$100. per mo. Unna, Ext. 2653 or 281-8005 (not on Sat.).

HOUSE - Charming, furnished one bedrm. home overlooking Shinnecock Bay, 30 mins. from Lab. Rental on yearly or monthly basis. LT 9-1614 after 6 p.m.

#### FOUND

Will the man that picked up the keys found by Frank Walsh, October 16, please call at the Recreation Office. You left one key.

ONE KEY - Outside of Cashier's. Personnel Services, Ext. 391.

#### SOLUTION TO CHESS PROBLEM

WHITE	BLACK
1. Q-N6 Check	1. K-Q3
2. Q-B5 Check	2. K-K4
3. Q-Q4 Check	3. K-B5
4. Q-K3 Check	4. K-N6
5. Q-B2 Check	5. K-B5
6. P-N3 Check	6. QxP or BxP
7. Q-K3 Check	7. K-K4
8. P-B4 Check	8. QxP
9. Q-Q4 Check	9. K-Q3
10. P-K5 Check	10. QxP
11. Q-B5 Check	11. K-B2
12. P-Q6 Check	12. QxP
13. Q-N6 Check	13. KxN
14. P-B7 Check	14. QxP
15. Q-R7 Mate	