

the Bulletin Board

VOLUME 14 - NUMBER 22

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FEBRUARY 14, 1961

WASHINGTON'S BIRTHDAY HOLIDAY

Washington's Birthday, Wednesday, February 22, will be observed as a regular Laboratory holiday.

"DETECTIVE SNOW STORY"

Unfortunately, the special performance of the "Detective Story," which was to be given by popular demand on Sunday, February 5th, had to be cancelled because of the uncooperative weather conditions.

A meeting of the cast was held and it was found that circumstances would not permit a rescheduling of the repeat performance. Those persons who purchased tickets specifically for the February 5th showing can be reimbursed by calling P. Towey, Ext. 602 or 682. Unused tickets must accompany requests. Reimbursements will be made up to but no later than February 21st.

EDISON DAY VISITORS

Over 200 Suffolk County high school science students will visit BNL on Tuesday, February 14, to participate in the annual Edison Day program. The students will attend sessions dealing with various scientific subjects which they have selected.

FOURTH BROOKHAVEN LECTURE

By: Dr. Gerhart Friedlander

Title: Nuclear Chemistry Research with the Cosmotron

Lecture Hall: 8:00 p.m., Wednesday, February 15

A buffet supper (\$2.75) will be served at the Brookhaven Center before the lecture, beginning at 6:00 p.m. Reservations should be made at least one day in advance, by calling Ext. 2302 before 5 p.m., or Ext. 2453 in the evenings.

Refreshments will be available in the Research Staff Lounge following the lecture.

THEATRE GROUP NOTES

There will be a general meeting of the Theatre Group Thursday, February 23. The meeting will be held in the BNL Theatre promptly at 7:45 p.m. All members and others interested in the group are urged to attend to discuss future plans.

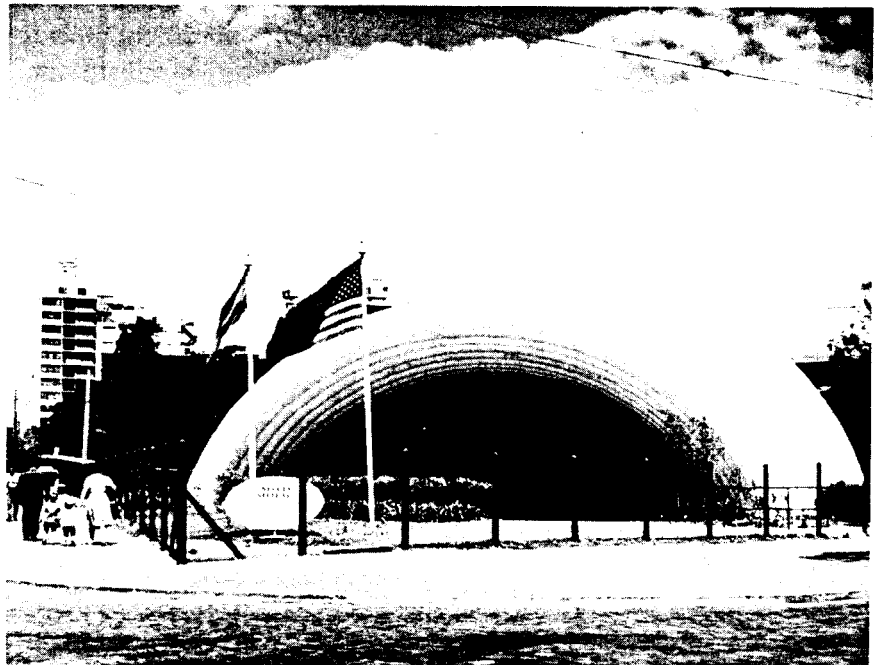
ALL EMPLOYEE SPECIAL

Sponsored by BERA Bowling Board

Guaranteed Prizes

See Page 3 for details

ATOMS AT WORK



A unique portable building (in photograph) houses the USAEC "Atoms at Work" exhibit which is currently touring South American capitals. The exhibit was shown in Buenos Aires from early November to mid-December, 1960, and will next visit Rio de Janeiro, Brazil, in May, followed by stops in Caracas, Venezuela, and Lima, Peru.

The USAEC exhibit in Buenos Aires was part of Argentina's Sesquicentennial Exposition. The Exposition was opened by President Arturo Frondizi, and was visited by a group of Governors from the U.S. who were making a tour of South America.

A pool-type gamma facility designed and built at BNL is part of the exhibit. J. Weiss, B. Sylvester, and O. Kuhl of the Nuclear Engineering Department went to Argentina to help set up the facility and direct its operation.

One of the most interesting features of the exhibit is the portable, pneumatic building which houses it - a vast, double-domed, vinyl-coated nylon structure covering a ground area of 300 by 126 feet; rising 65 feet high at the topmost point of the "roof" line, and supported entirely by air. The structure consists of two graceful domes connected by a narrow waist, with air-locked revolving doors set in arched openings at both ends.

The shape of the building is maintained by air pressure in the 4-foot space between its double compartmented walls, and the structure is held up by the pressure of the air within it. The pressure is sustained by blowers which keep it at seven one-hundredths of a pound per square inch above the normal atmospheric pressure - not enough for exhibit visitors to notice.

The exhibit is introduced by an unusual color motion picture - really three films in one - shown on three 12-by-16 foot screens simultaneously, in a theater accommodating 300 persons. The screens are mounted side by side to

(Please turn to Page 2)

ATOMS AT WORK — continued.

create one tremendous viewing area. The 10-minute film, produced by Frances Thompson, Inc., of New York, was filmed in part at BNL. The film introduces atomic energy in its simplest aspects and explains, in broad terms, the many peaceful applications of atomic energy — in power production, in industrial processes, in agriculture, and in medical diagnosis and therapy.

The exhibits include several operating nuclear devices, among them an isotope-producing training and research reactor and the pool-type gamma irradiation facility from BNL.

The reactor is a portable version of the LNP training reactor. This 10-kilowatt reactor is used for the production of short-lived radioisotopes for medical and physical research; for training of engineers and scientists, and for demonstration in connection with seminars arranged for groups of science teachers and students in the various countries visited. The device is housed in a large transparent plastic bubble so as to permit the public to observe the operations without disturbing the scientists working within.

Adjoining the reactor area is the gamma irradiation facility. It consists of a large tank of stainless steel, embedded in the floor and filled with water, which acts as a protective shield for the 2,000-curie radiation source — four slender strips of radioactive cobalt, each 14 inches long. These metal plates emit radiations capable of effecting changes in materials of many kinds; biological and entomological specimens, plastics, foods, and other substances.

The exhibit includes a huge lecture-demonstration area, divided into four large bays, each devoted to a different field of activity in which atomic energy is widely used; nuclear power production, industrial applications, agricultural research, and medical applications. A mechanical manipulator, used for working in a hot cell, is part of the exhibit.

A large area devoted to research and study has been set aside in the "backstage" portion of the exhibit building, remote from the public area. In this area are a technical information center including a scientific and technical library, and a technical film library. Also present is a large classroom, complete with lecture and demonstration facilities, for seminars.

The reactor and gamma facility in the South American exhibit are staffed in part by young scientists of the host country, many of whom are being given their first opportunity for actual use of such equipment. All are given a specially prepared course covering both theory and practice in the use of research reactors and gamma-ray facilities.

A gamma facility similar to the one now touring South America was exhibited in New Delhi, India, from December 1959 to February, 1960, as part of the World Agricultural Exposition. The gamma pool was later given to the Indian Government by the U.S. State Department under the Atoms for Peace Program, and is being used at the Indian Atomic Energy Establishment at Trombay. The pool facility now touring South America was shown at Cairo during the month of May, 1960.

TICHMAN TRIO

The fourth concert in the BERA Concert Series will take place Tuesday evening, Feb. 21, at 8:30 in the Research Staff Lounge. The featured artists will be the Tichman Trio, consisting of Herbert Tichman, clarinet; Ruth Tichman, piano; and Ray Schweitzer, cello. This young and interesting group has concertized throughout the U.S. and has been well received wherever they have performed. The N.Y. Times wrote "the Tichman Trio is a welcome addition to the concert life of this city," while the

Herald-Tribune thought they "played with steady musicianship and intelligence."

The program will consist of Beethoven's Trio in B-flat Op. 11, three pieces from Op. 83 by Max Bruch, the Trio by Robert Parris, and Brahms' Trio in A-minor Op. 114.

Single admissions will be \$2.50; children (including high school students) \$.75.

BNL SAFETY RECORD

There have been no disabling injuries at BNL thus far in 1961.

THANKS, DON

The almost 400 people present at our Valentine Dance had nothing but praise for the efforts spent by our committee members, who worked so hard decorating the Gymnasium. Special thanks go to Chairman Don David and his committee: Carmen Spirio, Marianne Clasen, Ginger Moore, and Gerry Friedman.

Highlights of the evening included "diamond" rings for the ladies, helium-filled heart-shaped balloons, a door prize awarded to BNL's greatest lover (a snow shovel and a quart of scotch) and a 12 piece band which shook the Gymnasium walls.

The big question of the evening was, "Why don't we have more dances?" The answer was and is — a committee is now trying to plan 2 or 3 more this year — one possibly in April, but they can't do it alone. They need your help. So call G. Sabine, Ext. 391, and sign up now to help on the next affair.

TV AT RECREATION BUILDING

BERA has added to the list of equipment available for use at its Recreation Building by the purchase of a beautiful 23-inch Satchel-Carlson console television set. It will be installed and operating this week and viewers may appreciate it on Monday through Thursday evenings from 5 p.m. to 11 p.m. As always, liquid refreshments are available at the building.

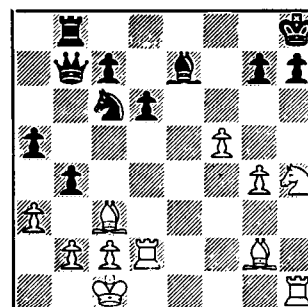
U.R.P.C.

The East End League schedule has been shortened because the Riverhead Armory range has been closed. Structural defects in the building forced this closing. Our club will complete its present schedule after shoots against Brookhaven and Southampton. Winning teams will then be announced.

The outdoor Spring matches are now being planned. If you are interested, call J. Diener, Ext. 324.

CHESS PROBLEM

In this week's problem it is white's move. White is minus his queen but still can win in two moves. Answer elsewhere in this week's BULLETIN BOARD.



CAMERA CLUB

The next meeting of the Camera Club will be held on Thursday evening, February 23 at 7:30 p.m.

A slide lecture program is planned. Members are asked to bring slides and prints of the last meeting, and also Anscochrome slides (35 mm. & 2¼) for a special contest.

UPTON ARCHERY CLUB

REMINDER to all members of the Archery Club! Don't forget, we start shooting indoors next week, February 20, at 7:30 p.m. in the Gym. Any new enthusiasts are welcome to come and join.

GYMNASIUM SCHEDULE

The Gymnasium will resume its normal schedule this week.

MONDAY: 5:00 - 7:00 p.m., Tennis (by reservation). 7:30 - 10:00 p.m., Archery Club.

TUESDAY: 5:00 - 6:00 p.m., General Activity; 6:00 - 10:00 p.m., BNL Basketball League. 3 department games, 6:15, 7:25 and 8:25 p.m.

Wednesday: 5:00 - 7:00 p.m., Tennis (by reservation); 7:00 - 10:00 p.m., open for general activity, badminton, volleyball, table tennis, basketball, exercising, etc.

THURSDAY: 5:00 - 7:00 p.m., BNL Volleyball League. Badminton, Table tennis. 7:00 - 10:00 p.m., open for general activity, badminton, table tennis, basketball, volleyball, exercising.

FRIDAY: 5:00 - 7:00 p.m., Tennis (by reservation).

BOWLING SPECIAL FOR ALL

You don't have to be in our leagues to join the fun this time. You don't even have to be a bowler.

Just get your wife (husband), best girlfriend (boyfriend), or whatever (whatever) and enter the Mixed Doubles Bowling Tournament on March 11. It will be handicapped, so you don't have to be a Don Carter to win. Cost, including the three games of bowling, is only \$2.50 each (\$5.00 per team). If you're worried about the kiddies, they're welcome to come as your cheering section.

Hurry with your entries - only 80 teams can be accommodated. Remember - you don't have to be a bowler to enter.

1. The Tournament will be held at 3:00 p.m. on Saturday, March 11, 1961 at the Patchogue Bowling Center.
2. A team shall consist of two bowlers, one male and one female. At least one member of each team must be a BNL employee (per BERA definition).
3. The Tournament shall consist of three games per bowler, bowled across six lanes.
4. Handicap (per bowler per game) shall be 70% of the difference between the bowler's average and 180, with averages used as follows:
 - a. Bowlers in BNL League this season; use BNL average as of 2/9/61.
 - b. Bowlers not in BNL Leagues this season who bowled in other leagues or who bowled in BNL League last year: use highest sanctioned average this season as of 2/9/61 if available; if not use highest sanctioned average at end of 1959-60 season.
 - c. All others: use score of first game for first game average; use scores of first two games divided by 2 for second game average; use scores of first three games divided by 3 for third game average. Maximum handicap allowed is 45 pins.
5. Prizes (based on high team gross series, including handicap). The following are guaranteed for the minimum number of tournament entries (20) - additional prizes will be awarded to teams or individuals, based on the total number of entries.

1st Place Team - two trophies and certificates for two custom fitted bowling balls.

2nd Place Team - two trophies and certificates for two pair of bowling shoes.

3rd Place Team - two trophies and certificates for two bowling ball bags.
6. Team entry fee, including the cost of the bowling, is \$5.00. Entry blank and fee must be presented at the Recreation Office not later than March 3, 1961. In no event will entries be accepted after 80 have been received. Fee is non-refundable. Teams not present and ready to bowl at the start of the Tournament may forfeit the team fee.
7. The rules of the American Bowling Congress are adopted for this Tournament except as otherwise stated herein.
8. Decisions of the Tournament Committee (G. Sabine, L. Baker, G. Hardman) shall be final.

**BERA BOWLING****BLUE LEAGUE**

The Techs took three from the Splitters when Bauerfiend rolled a 507 series, Meier a 190 game, Hildebrand a 222, 185-575 series and Larsen a 206, 201-602 series. The Splits best series was that of Sick who bowled a 200-515 series.

The race for the second place slot continues hot with the Pacers four points behind the Splitters. The Pacers this week split 2 and 2 with the Bubble Boys. Rutan was high man for the Pacers with a 179. For the Bubbles, Ferrante had a nice 190, 190-551 series and Scheliga a 200-512 series.

The Snafus, one point behind the Pacers, took three from the Nuclides as Neuman threw a 218-507 series for the Snafus. The Nuclides, who are in fifth place by ½ point, took the last game when Kukacka rolled a 178 backed up with a good game by Katz.

The Meteors took three from the Powermites who could have used a mite more power. Just a mite would have done it since contest was close all the way.

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Bowling news cont'd.

PURPLE LEAGUE

The Designers stood by and watched the little Bowl Aides sweep three points out of the match. The Bowl Aids doing the sweeping were Vin Celentano 142, Bud Sawyer 156-416, Ed. Walsh 146-423, D. Schultz 187-450. Designers watching were A. Teixeira 186, E. Sperry 178-499, J. Roeklein 180-503.

The Woodbutchers, who last week took a game by one pin from the Designers, this week were at it again and grabbed the first game from the Scotches by 2 pins. 2nd game was a tie. The Scotches finally got enough wood in the third to take the match 2½-1½. For the Woodbutchers it was R. Lewis 182, A. Benson 196-489, W. Milian 180-524. Scotches had F. Cermak with a pair of 177's, P. Reamy with 212-508, and B. Galen 180-502.

The Dirty Birds took the first two games from Fiscal but tired in the third with Fiscal coming back to tie the match 2-2. The Dirty Birds were V. Buchanan 155, J. Buck 157, A. Dick 159, led by Geo. Kuzmack 178-526. Coming through for Fiscal were R. Brouwer 190-485, R. Coughlin 162, B. Rutkowski 166-467, H. Bohn 169-477.

The Hopefuls jumped on the slipping Phoubars for 3 points. The jumping Hopefuls were A. Hanson 146, K. Thomson 154-433, Chas. Zavesky 181-466. The Phoubars who did not slip were Caiazza 142-433, Brown 174-452, and Vogt 182-507.

RED LEAGUE

Biology and Gnats rolled it off once again with Biology taking 4 points. The Biology men who put the Gnats through the wringer were McGovern-475 and Schairer with a 520. The Gnats who fought hard against going through the wringer were Bachsmith-464 and VanNorman with a 492. (I don't think they could have put VanNorman through the wringer anyway.)

Well, the Bismuth Kings had meat (the Downunders) this round. The meal was well seasoned with 4 nice points served on a platter by G. Fales of the Downunders. The B.K.'s who ate hearty were "Irving Smeargas" (Vareia) with 463, Carsten with 505, and Zinna with one game of 211 to give him a series of 534. "Thundering" Lotko must have been trying for three 135's - he got two.

The Skins once again tried to uproot the Bugs from their well rooted position in the League. All they got for their hard work was one point. The Skins who worked up a sweat on their foreheads were Bugala-457, Weinmann-483, Borzi-505 and Potter with a 523. The backbone of the Bugs was Laurine with 546 and T. Iarocci with a 565. This push got the Bugs 3 points.

The scores for the Bugs and Gnats were not published last week but the Gnats took three of the points with Fox bowling a 550 series, VanNorman a 512, Wilson 453, Bachsmith 452 and Austin 555.

ANSWER TO CHESS PROBLEM

White mates with neat simplicity by:

WHITE

BLACK

1. N - N 6 check
2. B - Q 5 mate

K - N 1

BOWLING SPECIAL

SPONSORED BY BERA BOWLING BOARD GUARANTEED PRIZES

Submit to
Recreation Office

ENTRY APPLICATION

Must be accompanied by
\$5.00 non-refundable fee

1. Lady Bowler (name)..... BNL Employee (yes) (no)
Average is..... * in..... League at..... Lanes.
2. Man Bowler (name)..... BNL Employee (yes) (no)
Average is..... * in..... League at..... Lanes.

* See Rule - if not in category (a) or (b) state "None."

Received Recreation Office.....
(signed Team Captain)

CLASSIFIED ADS

FOR SALE

HOUSE - Large 2 story - 45 years old. Landscaped lot 75x287. Living room with fireplace, large dining room, kitchen & foyer, 3 bedrooms & bath on second floor, full basement & attic. Gas hot air heat. Excell. residential section near schools, village & all conveniences. \$14,900. Ext. 2179 or BA 8-0408.

RANCH HOUSE - Lake Ronkonoma - 3 bedrooms, storms and screens, 14x21 garage, full cellar, semi-furnished room in cellar, cyclone fence around backyard, many extras. \$13,000 Call JU 8-5172 anytime.

1953 FORDOMATIC - New paint, battery, tires, carburetor, shocks. R&h, snow tires. Clean, runs fine. \$175. Hank, Ext. 601.

1955 CHEVY 210 - 4 door sedan two tones, heater and new radio, snow tires, new brakes, new clutch, new seat covers, quickstarting, uses no oil, owner leaving the country; asking \$400. Call Ext. 634 or 749.

BENCH SAW - 8" Craftsman tilt-table bench saw with stand, ½ H.P. motor and extra blades. \$35. P. Buhl, Ext. 354.

PIANO - Old fashioned Webster upright. Good tone quality. \$60. AT 4-0291.

SNOW CHAINS - Like new, reinforced links will fit 14" tire. A steal for \$8.00. Chas. Zavesky, Ext. 567.

CRIB - Edison Colonial, maple, with mattress, very good cond. Feeding table - hardly ever used. Stroller - Deluxe Atlas, good cond. Call H. Katz, Ext. 696.

CAMERA - 35mm. Contaflex. Mfg. by Zeiss Ikon. F 2.8 45 mm. lens. LVS shutter system. Orig. list price \$121. With case, \$3.50 accessory shoe and \$2.00 filter adapter ring. 2 mos. old. Factory warranty runs til Dec. 1961. Best offer accepted. F. Salzano, Ext. 2457.

LADIES SWEATER - Bulky knit, red & white design. Size 38-40. Hand knitted. Cost of wool \$10. Will sell for same. Ext. 2367.

ENLARGER - 35mm Federal, like new cond. Counterbalance, extras. \$20. Walt, Ext. 356.

RECORD PLAYER - V.M. 4 speed, table model with 3 speakers, new cond. Call evenings after 6 p.m. GR 5-5018.

807 AMP - Williamson Type with separate power supply and preamp - 30 Watt. \$25. Hank, Ext. 601.

WANTED

HIGH CHAIR - and stroller in good condition. Call BE 7-0595J.

GIRL'S FIGURE SKATES - Must be in good condition. Size 4, Harbottle, Ext. 625.

WHITE GAS RANGE - Must be in good condition. Call PO 8-2814J after 6 p.m.

HOME - for puppies. Sven Wichman, Ext. 2158.

USED TV SET - 17 in. or larger. Ext. 2460, evenings Ext. 703.

NOTICE - 25 year old foreign girl would like to stay with a family and children for one year in the U.S.A. to brush up her language. Who would be interested? For further information contact after 6 p.m. AT 6-8306.

CAR POOLS

Would like to join car pool from vicinity of Smith Point Motel, Shirley-Mastic. M. Beg, Ext. 682.

Ride wanted from corner of Zipp Avenue and Montauk Highway, East Patchogue. J. Gazzola, Ext. 561.

Would like to join car pool from vicinity L.I. R.R. Station, Patchogue. Allen Grossman, Ext. 750 or AT 9-0211 after 6 p.m.

Ride from Bay Shore or vicinity. Call B. Boylan, Ext. 604.

FOUND

SCARF - Men's white scarf found in Library parking lot. Call Ext. 2294.

ROSARY BEADS - in leather case. Found in A.G.S. Buliding. Call Personnel Services, Ext. 2107.

GLOVES - Black leather. Call Personnel Services, Ext. 2107.