

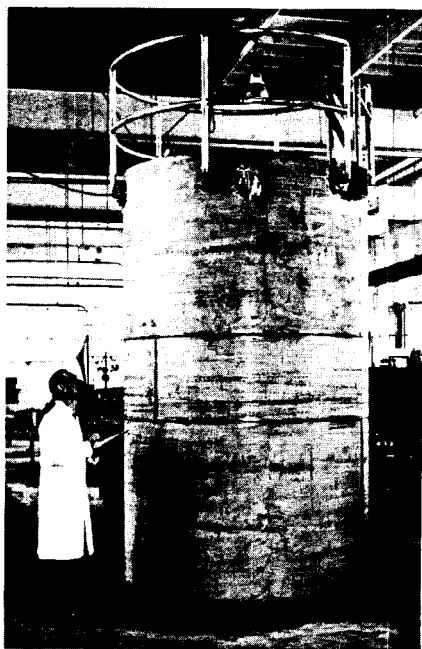
the Bulletin Board

VOLUME 13 - NUMBER 26

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MARCH 2, 1960

BNL TO HAVE EXHIBIT IN EGYPT



Recently completed tank for pool type gamma radiation facility.

Plans are being made for an exhibit from BNL to be shown in Cairo during the month of May. The exhibit, sponsored by the AEC Office of Special Projects, will consist of an operating pool type gamma radiation facility, a small operating reactor (not to be built by BNL), moving pictures, and explanatory panels. Otto Kuhl of the Nuclear Engineering Department will visit Egypt this month to prepare for construction of the exhibit. R.J. Isler and George Schoener, also of Nuclear Engineering, will accompany the exhibit to Egypt. The exhibit will open to the press on May 7 and Egyptian President Gamal Nasser will visit it on May 8.

The gamma facility was designed and built at BNL. A similar facility has been on display at the World Agricultural Exhibit in New Delhi for the past several months. It is a particularly satisfactory type of exhibit to send to another country since it is not just a display item, but can yield useful results to the scientists of the country visited. It is expected that Egyptian scientists will be able to run limited experiments on the gamma facility during its month-long exhibition.

Fringe Patter

CHANGES IN INSURANCE PLAN

In continuation of the Laboratory policy of improving our group insurance plans the Director of the Laboratory has announced the following changes:

1. The Laboratory Medical plan will pay actual charges for hospital bed and board up to the hospital's standard rate for semi-private accommodations, for a maximum period of 31 days.

The new allowance will apply to confinements beginning on or after March 1, 1960.

When confinement is due to pregnancy the maximum payment of up to \$140 for hospital charges for bed and board and necessary services and supplies remains unchanged.

2. The Laboratory will hereafter pay the full cost of the Basic Life and Basic Accidental Death & Dismemberment Insurance for all employees. The last deduction for this insurance was made in pay checks received by wage employees on February 26th, and those received by salaried employees on February 29th.

3. The cost to employees for Supplemental Life and Supplemental AD&D Insurance has been reduced from 50¢/\$1000 per month to 35¢/\$1000 per month. The new rate will be effective in pay checks received by wage employees on March 4th, and for salaried employees on March 31st.

The following chart illustrates the new rates.

Annual Salary	Amount of Basic Insurance			Amount of Supplemental Insurance			
	Life	AD&D	Cost	Life	AD&D	*Cost Weekly	Cost Monthly
\$2,500 but less than \$ 5,000	\$ 5,000	\$ 5,000	No cost	\$ 5,000	\$ 5,000	\$.42	\$1.75
\$5,000 but less than \$ 7,500	\$ 7,500	\$ 7,500	to	\$ 7,500	\$ 7,500	\$.63	\$2.63
\$7,500 but less than \$10,000	\$10,000	\$10,000	employee	\$10,000	\$10,000	\$.84	\$3.50

*Weekly deductions are made for 50 weeks per year.

Another advantage of the use of the pool type gamma radiation facility in foreign exhibits is that it is relatively portable - it can easily be dismantled and moved to another exhibition place. After the Cairo display, there are plans to hold exhibits in Buenos Aires, Rio de Janeiro, Caracas and Lima. There is a possibility that the exhibit will also visit Chile and Columbia. Two Brookhaven staff members will accompany the exhibit to each city.

CALIBRATION LAB MOVES

The Calibration Laboratory has moved and is now located at 15 West Brookhaven Avenue, just east of Meteorology.

IDES OF MARCH NOVICE RALLY!

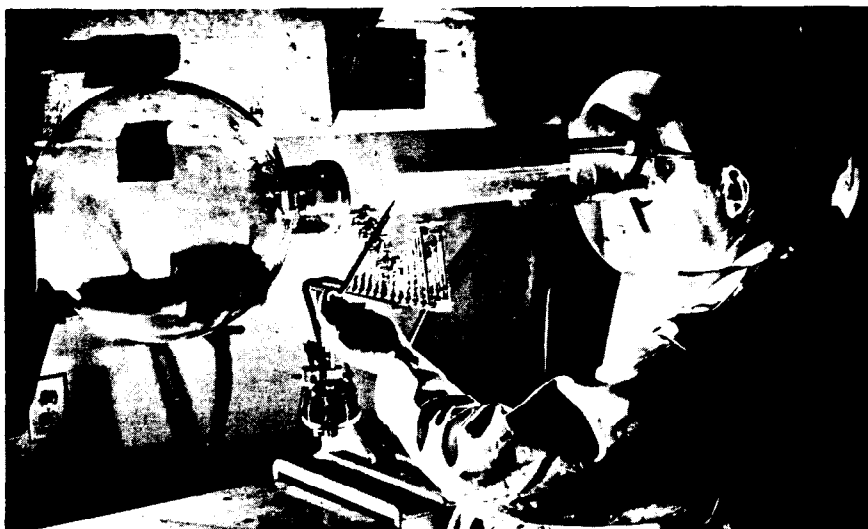
"Cross over the Bridge" (on Upton Road), March 6 at one p.m. and register for this uncomplicated, delightful rally designed with the novice in mind.

Dave (TR-3) Thomas and Mike O'Shea have planned a fifty mile rally for about 50¢ to introduce and familiarize novices with the sport of rallying. Unicycles to Tractor-Trailers welcome! First car off at two o'clock!

A "post mortem", to instruct those who wish help, will be held at some cozy nook which will be announced when you pass the last check point.

For further information call Howie Farrell, Ext. 548 or Tom Broome, 2233.

WORKING WITH GLASS



Like other service groups working for scientific departments, the BNL glassblowers fulfill an important function and are frequently faced by unique challenges. Some of the glass equipment used at BNL can be obtained commercially, but much of it, especially that required by the Chemistry Department, must be designed and built at BNL for specific experimental purposes. The very nature of the work done here requires complex glass design and close contact between the experimenters and the four glassblowers to obtain the glass apparatus which best suits the scientific objective.

Glass is particularly well-suited for use in tubing and containers housing chemistry experiments since it is relatively inert – it does not react with the chemicals which flow through it. Glass can withstand fairly high and low temperatures. It is easily malleable and lasts well.

Ordinary glass cannot be used for certain purposes and consequently the glassblowers use a number of different types of glass. Sometimes it is mixed with materials which give it desired characteristics. For example, helium and hydrogen can diffuse through ordinary glass. When it is important for the experiment that this diffusion not take place, the glassblowers use glass to which aluminum has been added by the manufacturer. Other additions are uranium, cobalt, and lead.

Quartz is used when extremely thermally hot materials are to pass through the equipment, since quartz can withstand temperatures of over one thousand degrees centigrade.

Frequently several different types of glass are used in the same piece of equipment. When glass tubing is joined with metal, the glass used must have the same coefficient of expansion as the metal. Several intermediate glasses are used in step form to go from Kovar (the metal with which the glass is joined) to Pyrex, of which most apparatus is made. To go from quartz to Soft-glass in graded seals, ten such intermediate glasses are required.

The glassblowing group purchases large quantities of standard items which are in regular demand at the Laboratory, such as tubing of various sizes, beakers, and stop cocks.

To illustrate the glassblowers' work, let's follow an order through from its inception to the final product. A scientist brings in a diagram of the equipment he needs for an experiment. This diagram may be extremely detailed or fairly rough. He works with the glassblowers to determine the exact form the glass tubing and containers must take and the kind of glass to be used. To join the

(Continued on Page 3)

BALLET INSTRUCTION

Perhaps you have noticed or heard about a group of young ladies going to the gymnasium on Thursday evenings, practicing ballet routines and receiving informal instruction from one of our employee's wives who has been offering her time and talents. Because of this activity, the instructor has been receiving requests to start a formal class open to employees and wives of employees.

The class will meet each Thursday at the gymnasium at 7:30 p.m. Each session will last about 1½ hours. The entire course will span an 8-week period. Participants will be expected to purchase their own shoes (arrangement will be made for a group purchase). The expenses involved will include the purchase of necessary bars and records plus the traveling expenses of the instructor.

It is planned to begin the instruction March 10th. Each lesson will cost no more than \$1.50 per person. This figure will be reduced depending on your response. The more we have in the class, the less it will cost you. Register now at the Recreation Office, Building 461, Ext. 391. Your registration must be accompanied by the fee for the 8-week course, \$12.00.

ENTRIES CLOSING

This is your last week to enter the Badminton and Table Tennis competitions. Trophies will be awarded to winners. Entry fee is 50¢. Sign up now – Recreation Office.

PERSONNEL TEAM WINS VOLLEYBALL CHAMPIONSHIP

As Shakespeare once said, "Quit while you got a-head." (That's Harry Shakespeare, the local barber.) The Personnel team took this advice and won the volleyball league championship. Cosmotron has lodged a protest with the N.Y. State Volleyball Association stating that the rules and regulations prohibit this. The decision may eventually go to litigation.

The Bubble Chamber and Medical finished in a tie for third. Medical, fortunately or unfortunately, has discovered that their pep pills were really APC's in disguise.

Plans are presently underway to have an All Star game. The six-man team will play the Olympic team representing the ? This match should be the highlight of the season and steps are being taken to increase the seating capacity of the gym.

ARTHUR MURRAY

This Thursday, March 3rd at 8:30 p.m. there will be an organizational meeting for all those who would like to join in the formation of a new dance class. The instruction will be given by professionals from the studios of Arthur Murray on Thursday evenings at the Recreation Building on York Lane. The course will be given for a 10-week period. The cost will be approximately \$1.50 each lesson.

Your attendance at this first meeting is important. Come alone or bring a partner and register.

FAMILY PASSES

All employees are urged to obtain long term passes for members of their immediate families if such members will use the recreation areas without the employee being present.

Members of immediate family include husband, wife, children over 13 years of age and other relatives who reside in the employees home. A memo of request to the Security Office is sufficient.

RIFLE TEAM

The Upton Pistol team lost the first pistol match of the season to the Southampton Pistol Club by a score of 957 to 1245. The five U.R.P. top guns were C. Goodzeit 230, P. Buhl 216, F. German 207, M. Johnson 205, and P. Hichborn 199.

The next scheduled match is March 10 at 8:00 p.m. with the Mid-Island Rifle and Pistol Club in Hicksville. Directions for getting to the range are on the bulletin board in the club room.

HOCKEY SOUVENIR

Over 100 employees, family and friends visited the Long Island Arena last Sunday to see the Rovers defeated by Philadelphia. The group went for half fare by purchasing a block of tickets. Our seats were right off center ice. Aside from the excitement of the game, one of the most spectacular saves occurred as ex-fastball pitcher Lefty Kurz of Grounds Maintenance speared a fast flying puck that was lifted off the ice and headed our way. Some of us came away with coffee, mustard and beer stains from the excitement and our dodging efforts but as a whole were ready to go again (as long as Lefty goes).

BNL SAFETY RECORD

55 Days Since Last Disabling Injury
(Jan. 5, 1960 - Feb. 28, 1960)

GLASS - (continued)

different pieces of glass together and to shape it to specification, the glass is heated with multiple gas and oxygen burners to about 1200 degrees centigrade.

While it is in the soft stage it is shaped as desired (as shown in the photograph above) and necessary appendages are added. The glass is then tested for leaks and strain. Strain marks caused by uneven heating can be observed through a polariscope. These strain marks indicate weakness in the structure of the glass. To remove them, the glass is placed in ovens and heated to 550 degrees centigrade.

Glassblowing is partially mechanized today, the work being done by lathe and by hand manipulation, but the fascination remains when one sees the diverse and complex forms that the BNL glassblowers create.



BERA BOWLING

GREEN LEAGUE

2/15/60

The Reefers beat the Fire Department, 3-1. Peters rolled a 199, 501 series. McFadden had 187 for the losers. J. Lucas had 201-529 for the winners. Chemistry won over the Electrons 4-0. Audet had 169, 183, 191, 543 series. E. Bindel's 192 helped the Electrons, who had an off night. The Teasers and the Old Timers split 2-2. T. Holmquist had a 171, 169, 168, 508 series.

2/22/60. There were poor turn outs by Chemistry and the Electrons. These teams forfeited to the Fire Department and the Teasers, respectively. The Reefers beat the Old Timers 4-0.

RED LEAGUE

Loopers 3. Scarlett 191, 490; Sick 194, 469; Malloy 539 - **Woodbutchers 1.** Ruppert 517.

Seven Tens 3. Hardman 515 - **Hot Lab 1.** Varela 200; Williams 203.

Nuclides 3. Johnson 440 - **Metalliks 1.** Jackson 164; Pollack 454 series.

Bismuth Kings. Kalinowski 207, 505; Carter 490 - **Gnats.** Austin 193; Selleck 187, 474.

BLUE LEAGUE

Back in the news, "The Blue League Strikes Again." The Techs maintained their lead but second, third or fourth could change in one night. No place is safe until the last ball has been thrown.

The Techs took four from the undermanned Downunders with a gallant try by Iarocci and Lotko of the Downunders but without success. Dick Hildenbrand was high for the Techs with a 233-562 series, Ed Hein's 205, 225-560 series and Dick Larsen's 212-540 series supplied enough wood for a total victory.

The Irregulars were rocked by a full Cosmotron team despite the gallant

efforts of Iarocci's 506 series and Carde's 498 series. King pins for the Cosmotron were Lou Potter and Andy Gangemella. After the smoke cleared, the Cosmotron team had taken a full count.

The Skins and Biology tangled on alleys 27 and 28 with a 4-0 win for the Skins. Steve Palermo was top gun for the Skins with a 224-578 series. Belahavek was high man for Biology. There was a rather tight second game which was won in the final frames.

After the final ball was thrown in the Fire Department and Thumper's encounter, the Fire Department was only one point down for a tie for number three spot. The Fire Department came through with a big three out of four. Teixeira was high for the Fire Department with a 223-569 series. The 486 series rolled by Peters helped with the final tally. Carsten and Reams tried to hold down a complete loss with a 485 and 484 respectively. The Thumpers managed to trounce the Fire Department in the second game with a big margin of two big pins.

LADY KEGLERS COLUMN

Medical gained one point on the Odds and Ends last night by taking all 4 points from the Allthumbs, while Odds and Ends took only 3 from Sam's Gals. The Strugglers took 3 from the Nightingales, and the Frisbees took 3 from Chemistry. Grace Schiro converted the only split shot for the night, 5-7.

High games and series for the night: Norma Podlaski 188, 501 (new high series for the league); Grace Siemen 167.

PHYSICAL FITNESS

Informal sessions are being held each Thursday evening at 7:30 p.m. at the Gymnasium for those employees wishing to get some regular exercise in one form or another. A BERA instructor is on hand to supervise the activity. Men and women - bring gym shoes and clothes.

CLASSIFIED ADS

FOR SALE

1958 VOLKSWAGEN - green sedan. Little jewel to see and run. \$1300. Ext. 676 or Andrew 5-0814.

1955 VOLKSWAGEN - 35 m.p.g. As is \$350. Call Palevsky, Ext. 648.

1952 FORD - V-8, 4 door. Rare opportunity for a man who can install a new engine to pick up a sturdy auto. \$50. Can be seen on site. B. Kenney, Ext. 2129.

1951 HUDSON - 4 dr. sedan, radio, heater, overdrive. Good transportation. Singer, Ext. 455.

1953 PONTIAC - Chieftain. 4 dr. sedan. Radio, heater, hydromatic. Very good motor. Ext. 624.

1956 OLDSMOBILE - 4 door, 2 tone. Radio and heater. Auto. trans. J. Zahra, Ext. 2170 or POrt Jefferson 8-2075-J.

1952 CHEVROLET - 6 cylinders, 4 door sedan, automatic transmission, \$150. Ext. 2356. Erdik.

1957 ANGLIA - gray sedan. 15,000 miles. Economical transportation: a "good-as-new" car at a second hand price. Bellport 7-1094 after 7 p.m.

1957 T-BIRD - green. Two-seater, removable hardtop, r&h, ww tires. Excellent condition. Best offer. A. Delph, Ext. 439.

1953 - DE SOTO - Firedome V-8, radio, rear seat speaker, heater, semi-automatic transmission. \$250. Ext. 2205.

HOUSE - Center Moriches. 2 story, 3 rooms and kitchen ground floor; 2 large, 3 small rooms, bath second floor. 2 screened porches. ¼ cellar, hot-water heat, screens, storm sash. Large trees, many flowering shrubs. Convenient walking distance stores, schools. Sacrifice \$11,000. Ext. 689 or Atlantic 4-8316.

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.

HOUSE - Patchogue. Nice location near Roe Blvd. section. Entrance hall, living rm., dining rm. with fireplace, kitchen, bedroom (or TV room) and full bath downstairs. 4 bedrooms and bath upstairs. Full attic and cellar. Recently installed circulating hot water heating system with all new radiation. Westinghouse electric range and laundromat included. Lot 60 x 200. 2-car garage. Ext. 2210 after 3 p.m. or Atlantic 6-8876 after 6 p.m.

HOUSE - \$7500. 3 bedrooms, stucco ranch, new hot water heat, 8 miles to Lab. Bellport 7-0611-J.

HOUSE - for sale or rent. Bellport. Near schools and village. 4 bedrooms (1 very small). Modern kitchen, garage. Atlantic 6-8850 evenings.

BOAT - 20 ft. Zobel Sea Fox Skiff (1955). 95 h.p. C.C. engine. New navy top, head, good condition. \$2,500. W. Stuckert, Ext. 2136. After 6 p.m. call MOhawk 5-9320.

RUNABOUT - heavy gauge riveted aluminum Durateck runabout, 12 ft. with front deck and steering wheel. About 6 yrs. old. A 1958 7½ h.p. Evinrude with 4 gal. tank and motor stand. A 1959 Mastercraft Trailer with winch and tail light. Also included: anchor, lines, and cushions. Ready for use. \$450. Ext. 624 or GOver 5-2131.

PRAM - 8 ft. Complete. Brand new; used twice. Not a kit. GOver 5-1285 after 4 p.m.

24 FT. CABIN CRUISER - beautiful buy for \$1550 with enclosed head, galley with s.s. sink, 1955 Flagship engine. 100 h.p. Rebuilt last year, new 25 gal. gas tank, ¾ in. cedar planked. Not a fancy boat but in perfect condition. Reason for selling - just bought a larger boat. GOver 5-3632.

SHELTER CABIN KEEL SLOOP - 19 ft. O.A., 3 ft. draft. Rhodes design. Hurricane class molded mahogany hull, excellent condition, floatation, whisker and spinnaker poles, nylon spinnaker, egyptian cotton genoa, jib, 2 main, running lights, cradle, Savage outboard bracket, cockpit cover, SS rigging. \$1500. A. Schlafke, Ext. 751. Evenings ROnkonkoma 9-5273.

WATER HEATER - Coleman 30 gal. Kerosene. Best offer. Ext. 422.

WASHING MACHINE - small wringer type. Norge, 2 yr. old, any reasonable offer. Call Wagenblast, Ext. 634.

COLLAPSIBLE WHEEL CHAIR - \$35, 8 in. tilting table saw, \$65. 26 in. girl's bicycle, \$15. Steel bunk beds, \$8. W.J. Ware, Ext. 2221.

MATTRESS - 4½ in. full size foam rubber mattress and matching box springs. Used one year. E. Raka, Ext. 310.

OTTOMAN - Castro convertible. Very good condition, with slip cover, foam pillow. \$100 new - now \$30. Baby carriage, good condition, \$25. Also play pen, \$7. Atlantic 1-9833.

35 MM. CAMERA - German model "Edixa-1". F-2.8 lens, built in self-timer, with leather carrying case. Leather case with shade hood and 5 filters. Flash outfit. All in excellent condition. \$40. P. Buhl, Ext. 354.

CAMERA ACCESSORIES - new and used accessories for Kodak Medalist camera. A. Lewis, Ext. 568.

INSTRUCTOGRAPH - code speed machine. All electric with audio oscillator built in and 10 rolls of tape. 5 w.p.m. to 40 w.p.m. Best offer or trade for small communication type receiver. B. Howard, Ext. 311.

CAR BED - chrome, quilted, converts to car chair. Also English baby coach, oyster white with navy blue hood and rain shield. Beautiful condition. Body removable for use as car bed (designed for this) also for travel. Must see to appreciate. With extras. Bellport 7-1050.

CAMERA - Canon IIIA. Combined range-view finder for 50, 100, and 134 mm. lens with 50 mm. F 1.8 Sevenar, case, neckstrap. Also Canon Photography by Deschin, \$70. Ext. 356, Bergeron.

YOUTH BED - with 2 removable sides. 2 yrs. old. Excellent condition. Will sacrifice. Bob Hill, Bellport 7-0434.

WANTED

TV - 17 inch, not older than one or two years. Call Ext. 733.

CODE PRACTICE RECORDS - 5 w.p.m. Call Wagenblast, Ext. 634.

MUSHROOM MOORING ANCHOR - 75 or 100 lb.; 30 ft. chain; pennant; mooring buoy. Call Bond, Ext. 301 or SEtauket 6-2089.

BOY'S BIKE - 26 in. in good condition; also telescope with mount, moderately priced. Call Ext. 472.

CHILDREN'S SHOE ROLLER SKATES - size 10 or 11. Call F. Kuhn, Ext. 422 or GOver 5-2963.

HELP - College freshman needs 500 empty Phillip Morris cigarette products to qualify for fraternity. Send your empty Alpine, Marlboro, Phillip Morris packs to Emma Cox, Biology.

FOR RENT

FURNISHED APARTMENT - Bellport. 2½ rms. Private entrance, utilities, TV antenna. Atlantic 6-8850 evenings.

CAR POOLS

Three-man car pool desires other drivers from vicinity of Maple Avenue Shopping Center, Smithtown. Call Bob Doering, Ext. 779.

Want a ride from Smithtown area starting March 15th, vicinity Smithtown Bypass near Rt. 111, or Jericho Tpke. and Rt. 111. Call H. Maloney, Ext. 431.

Drivers wanted for three-man car pool - Canaan Lake area. Call J. Backes, Ext. 2341. Three-man car pool leaving Bay Shore desires other members. Call Jake, Ext. 2208.

FOUND

Girls' black wool and leather gloves. Call Personnel Services, Ext. 2107.

BULLETIN BOARD

CLASSIFIED AD POLICY

1. Employees only may place ads in THE BULLETIN BOARD.
2. All items advertised for sale must be the property of an employee.
3. Real estate ads will be accepted only when they involve change of residence by an employee.
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.

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