

# BULLETIN BOARD

Volume 22, Number 47

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November 21, 1968

## Snow Closing

The snow season has already started this year, and while no snow has fallen in measurable amounts on Long Island, areas as close as fifty miles away have recorded several inches on the ground.

As in past years, Lab employees are urged to listen for closing notices before starting to work on a snowy day. Information on emergency closing due to inclement weather will be carried by the following radio stations:

	AM	FM
WRIV Riverhead	1390	-
WHRF Riverhead	1570	103.9
WPAC Patchogue	1580	106.1
WALK Patchogue	1370	97.5
WLNG Sag Harbor	1600	-
WGSM Huntington	740	94.3
WBAB Babylon	1440	102.3
WGLI Babylon	1290	-
WHLI Hempstead	1100	98.3
WLIX Islip	540	-

## Cotzias To Lecture

Dr. George C. Cotzias of BNL's Medical Department will deliver the 79th BNL Lecture on Wednesday, December 4. His lecture is entitled "Parkinson's Disease: Relationship to Miners, Metals, and Madness."

The lecture will be given in Berkner Hall, and will begin at 8:00 p.m.

## Japanese Science Journalists Visit

A team of six Japanese Nuclear and Space Science Journalists visited BNL last week to get first-hand information on the present status and future prospect of atomic energy development in the US and Europe.

After a general orientation talk, the team was taken to the HFBR where they examined specific areas of research as explained by Jules Hastings of Chemistry. At the Physics Department, David Garelick reviewed the Physics program, and the group then toured the AGS experimental floor.

At the Medical Department, the Medical Research Reactor, the Whole Body



The Japanese Journalist Team was well equipped to report photographically on their tour of BNL.

Counter and the Patient Pavillions were explained by Dr. Claire Shellabarger. Before leaving the Lab, the group met with Deputy Director George Vineyard, who spoke about future plans of BNL.

The team was formed under the sponsorship of the Japanese Newspaper Publishers and Editors Association, and the Japan Atomic Industrial Forum. Members included Teruaki Fukuda, Japan Broadcasting Corporation, Team Leader. With him were Takatoshi Etoh, Kyodo News Service; Yukio Imura, Tokushima News; Takamasa Miwa, GIFU Nichinichi Shim-bun; Masao Yamamoto, The Sanyo Shim-bun; and Kunihiro Nakamura, Japan Newspaper Publishers and Editors Association. Nakamura, who acted as guide and interpreter, was a former visiting Physics Research Associate with the Nuclear Engineering Department in 1964.

## Chemonuclear Loop Is Operational At BGRR

11-1511-68



Early-birds at the Graphite Reactor for the first running of the Brookhaven Chemonuclear In-Pile Research Loop pose at the control console for a formal picture. From the left are: Meyer Steinberg, Supervisor of the Radiation Processing Section of NED; Walter Tucker, Project Engineer; Ed Cote, operations crew; Shoichi Sato, Liaison Engineer; Morris Beller, Operating Engineer; and Jim Klein, Technical Operations. After a 6 a.m. start, the loop was operating at full power by 10:15 a.m. Photo by Humphrey

## Early Deadline For Classified Ads

Because of the Thanksgiving Holiday, the deadline for classified ads for the December 5 issue of the *Bulletin Board* will be Noon, Wednesday, November 27.

BERA news should be delivered to the Recreation Office before noon on Wednesday for publication in the issue of December 5.

Next week's *Bulletin Board* will be distributed on Wednesday. Ads left out because of lack of space will be included in the December 5 issue.

## Eat Ins . . . No Take Outs . . . Yes

The machine vended food service recently relocated in Building 912, the AGS Experimental Building, was provided for Laboratory employees and affiliates whose work schedule requires they be on-site at off-hours.

Because of the proximity of this food service to heavy AGS operations and the congested area, it is requested that others do not use this facility. However, authorized personnel may, if they wish, take food out of the building.

## Japanese Science Journalists Visit

11-1561-68



Julius Hastings (left) explains research procedures at the High Flux Beam Reactor to a member of the Japanese Nuclear and Spacial Science Journalist Team. During their visit to BNL this group toured the HFBR, the AGS and the Medical Research Center for a fresh look at the latest developments in nuclear research. Photo by Humphrey

## Chemonuclear Loop Operational With Graphite Reactor

On Friday morning, November 15, the Brookhaven Graphite Research Reactor was brought up to a power level of 15 megawatts for a trial run of the Chemonuclear In-Pile Research Loop Experiment.

Since being placed on a standby basis early in June, the pile has remained inactive until Monday of last week when it was started up and run at low power in preparation for Friday's use with the Chemonuclear Loop.

Before dawn on Friday three Pile Operators from HFBR came over to the Reactor building and turned the lights on in the control room. While Ralph Jackson sat at the console, Shift Supervisor Danny Oldham and Warren Williams checked the instrument panel. Control rods started their slow withdrawal, and by 7:45 a.m. power had reached a level of 2 megawatts.

### Loop Started

Meanwhile, at the West face of the pile, Walter Tucker, Morris Beller, Shoichi Sato, and Meyer Steinberg were helping Jim Klein and Ed Cote start up the Chemonuclear Loop. By 8:30 a.m. the loop was operating properly and the power level had reached 4 megawatts in the reactor. At 10:15 the desired 15 megawatt level was reached, and was maintained until the reactor was shut down at 4:15.

Construction of the Chemonuclear Loop began in 1963, and installation in the BGRR was made in 1966. The Loop was completed in 1968 and has now been approved for operation as an experimental pilot plant for production of basic chemicals by nuclear energy. By means of chemonuclear reactions in the loop, it is possible to produce fixed nitrogen directly from air in the form of oxides of nitrogen. Fixed nitrogen is basic to the production of fertilizer for the growing of food.

### Chemicals Produced

Another process produces ozone, a powerful oxidizing agent from air or oxygen, which has a great potential in the treatment of sewage waste and in the purification of polluted water for domestic use. It is also possible to produce carbon monoxide, a basic synthesis gas used for making large-tonnage basic organic chemicals, such as methyl alcohol and domestic heating gas. Other chemicals such as hydrogen, hydrogen peroxide, hydrogen cyanide, and hydrazine can also be made from water,



After a five month shut down, the familiar "Pile On" sign was lighted once again.

methane, or ammonia. Thus low-cost readily available gases can be converted to much more valuable industrial chemicals of great importance to the world's economy.

The process consists of interacting the fragments formed in the nuclear fission of uranium with a raw feed gas. The high intensity energy imparted by the fragments is enough to rupture the molecules. The resulting radicals and ions react to form the desired products. A fuel element containing uranium is used in the form of an extremely thin foil, one tenth of a thousandth of an inch (0.1 mil) thick or about one tenth the diameter of a fine human hair. This allows the fission fragment to escape and expend its energy in the surrounding gas.

The Brookhaven Chemonuclear In-Pile Research Loop consists of a tube inserted into the graphite reactor, with process equipment consisting of a gas circulator, heat exchangers, valves, and flow meters situated outside at the west face of the reactor. Gases can be passed into the loop and over fuel elements inside the reactor. The neutrons in the reactor fission the uranium in the loop and the fragments fly into

(continued on Page 2)

**Pile Becomes Critical As Loop Becomes Practical 11-1517-68**



At the start-up of the Graphite Reactor, Shift Supervisor Danny Oldham (left) checks instrumentation. Warren Williams (center) helps Ralph Jackson (right) check controls on the console. The TV monitor at far right is focused on the HFBR.

**Loop Operational**

(continued)

the circulating gas. With the loop it is possible to go to both low (-30°F) and high temperature (1000°F) and from low to high pressures, up to 1000 psig. A series of automatic analytical instruments record the concentration and type of chemicals formed. Thus, it is possible to determine the quantity yield and efficiency of conversion of nuclear to chemical energy. It will also be possible to determine the stability of the fuel and whether the products are contaminated with radioactive products.

**Designed at NED**

The B-CIRL was designed and built by the Nuclear Engineering Department at BNL over the past 5 years. Several technological advances have been incorporated in the loop. An example is the gas-bearing compressors used to circulate the gas. These operate at high speeds and require no lubrication. One of these circulators was built in this country and the other in France. A fully instrumented graphic panel is used to control the loop.

Meyer Steinberg points out that the application of Chemonuclear reactors may not come for some time. First the technology must be developed. Secondly, the process must become economically competitive. The basic chemicals used for fertilizer, water purification, and pipeline fuel or synthesis gas are presently made from fossil fuels such as coal, oil, and natural gas which are still relatively inexpensive and readily available. As these natural fuel resources are expended and become more

expensive, the Chemonuclear process based on uranium fuel will become competitive. The chemonuclear reactor may become an integral part of the large nuclear complexes that have been envisaged to bring the benefits of low-cost power to energy-deficient parts of the world.

The chemonuclear process, in principle, is the most direct and economical way of producing chemicals by use of nuclear energy. B-CIRL is a start toward proving this out in practice.

**Construction, Operation Team**

The concept of the B-CIRL was developed by Bernard Manowitz, Head of the Radiation Division of NED, and Meyer Steinberg, Supervisor of the Radiation Processing Section. Walter Tucker has been project engineer for the Radiation Division responsible for design, installation, and operation. The design and construction of the Loop was carried out by the Engineering Division of NED by a team under the direction of Charles Waide, and including Paul Bezler, Stan Majeski, Paul LeDoux, and George Schoener. While critical components were purchased off-site, most of the Loop was constructed in BNL shops and assembled at the NED Works Area in Building 820. James Klein has been responsible for direction of the technical staff that built the Loop and installed it at the BGRR. He will be in charge of the operating crew, consisting of George Arnold, Jack Hare, and Ed Cote. Morris Beller is the engineer supervising operation. Shoichi Sato is liaison engineer from the Japan Atomic Energy Research Institute Laboratory at Takai-Mura, who has been at BNL for the past year.



Ed Cote



Morris Beller checks temperatures.



Jim Klein



Walter Tucker (left) and Meyer Steinberg (right) relax after the Chemonuclear Loop has been running at full planned power in the Graphite Reactor. Photos by Humphrey

**Dollars and Sense**

Leon Meshel  
Uniform Gifts to Minors Act  
by Frank Bloom

Many parents establish savings accounts in trust for their children as a means of setting aside certain funds for future use of the children. In most cases these accounts are set up with one of the parents as custodian (i.e. John Smith in trust for John Smith, Jr.). The custodian parent has full discretionary power over the principal and interest earned and expenditures therefrom. These trusts are known as *Totten Trusts* and any income earned on the account is taxable to the parent, just as if the account was in his name only.

However, there is a special type of trust which can be set up for a minor under which the income is taxable to the child and not to the parent. This, of course, is a desirable tax effect since normally the child is in a lower tax bracket. In addition, a child under 19 or a full time student over 19 can claim a \$600 personal exemption on his or her tax return and still be claimed as a dependent on the parent's return.

This special type of trust is set up under the *Uniform Gifts to Minors Act*, as adopted by New York State. Any savings bank can provide parents with the simple forms required to open this type of account. A gift to a minor under the above Act constitutes an *irrevocable* gift, which the minor will have access to upon attaining his majority, age 21. Any income earned is accumulated until age 21, at which time both income and principal pass to the child. Due to the fact that a bona-fide gift has been made to the minor, any income from the gift is taxable to him. Unless the child has considerable other taxable income, this procedure will reduce or eliminate the tax on any income produced.

This gift which in effect forms a trust for a minor until age 21 is not restricted to cash in a savings account. It can be in the form of stock or other investments. Naturally, anyone contemplating the use of this tax savings procedure should understand that this is an *irrevocable* gift and whatever property it consists of will not be available for the use of the grantor.

**Here and There**

Dolores del Castillo

The American Nuclear Society Winter Meeting was held in Washington, D.C., November 10-15. Among the papers delivered at this meeting were "Monte Carlo Method for Reactivity Change Due to Geometrical Perturbation," Hiroshi Takahashi (NED); "Improvements on a New Method for Time-Dependent Transport Problems," M.A. Tavel and M.S. Zucker (NED); "Time-Dependence of Finite, Subcritical Fast Multiplying Assemblies," J. Dorning and B. Nicolaenko (NED); "An Explanation of the Apparent Violation of the Maximum Absorption Theorem," J. Dorning (NED) and J.K. Thurber (Applied Math); and "Purely Discrete Neutron Wave Phenomena in the Continuum Region," J. Dorning (NED) and J.K. Thurber (Applied Math). Jack Chernick, on leave from BNL, (NED) chaired a session on "New Directions and Trends in Reactor Physics." Following the meeting, Mr. Chernick returned to the Puerto Rico Nuclear Center.

G. Tomocetti of CERN will visit the Laboratory on November 22 to discuss heat transfer technology.

Rodolphe J. Nicks of ISPRA will visit the Laboratory on November 25 for discussions on cross section in shielding.

Bernard Cauvin of Saclay will be at the Laboratory on November 27 to discuss capture experiments at the HFBR.

Norb Dernbach (PR) recently attended the meeting of the Council for the Advancement of Science Writers held in Chicago.

**Coming Attractions**

- 11/21 BERA Movie (Berkner Hall - 8 p.m.)
- 11/25 Hospitality Committee Coffee (Apartment Area - Rec. Bldg.)
- 11/28 Thanksgiving Holiday
- 11/29 Navy Lecture (Brookhaven Center - 7:30 p.m.)
- 12/4 BNL Lecture - Dr. G.C. Cotzias (Berkner Hall - 8:00 p.m.)

**BULLETIN BOARD**

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**First Turkey Winner 11-1584-68**



Arthur Barnes, Accelerator, was the first winner of one of the 48 turkeys awarded by BERA to employees using the soda vending machines on site. Arthur, who is married and has two children, was surprised at winning on the first try. Because the Barnes are having guests for Thanksgiving dinner, Mrs. Barnes will buy another turkey of the same size and serve double drumsticks at the table. The Barnes children have already staked out a claim to the case of soda that accompanied the turkey. Photo by Humphrey

**IBEW Meets Monday**

Because of the Thanksgiving holiday, Local 2230 IBEW will hold the November meeting on Monday, November 25, at 8 p.m. in the Knights of Columbus Hall, Railroad Avenue, Patchogue.

The agenda for the evening will be general business and committee reports.

**Moving?**

If you are planning to relocate your base of operations on site, or if you have recently made a move, be sure to notify the Telephone Office, the Mail Room and the Payroll Office of the move. Otherwise, phone calls, mail and paychecks may have a hard time finding you.

**Cafeteria-Center Thanksgiving Schedule**

The Brookhaven Center will be closed on Thursday and Friday, November 28 and 29. It will reopen for dinner on Sunday, December 1.

The snack bar in the cafeteria will be open from 9 a.m. until 2 p.m. Thursday through Sunday.

**Hospitality News**

Wanda D. Patterson will be the guest of the next regular Hospitality Committee Coffee to be held on November 25, in Apartment 1A, from 10 a.m. to 12 noon.

Mrs. Patterson will give a demonstration in silk screening. She is an exhibiting member of the Artists-Craftsmen of New York and the Long Island Craftsmen's Guild. Her work has been exhibited widely and she is the recipient of many awards for her unusual wall hangings.

**Arrivals & Departures**

**Arrivals**

- Joseph C. Biamonte.....Medical
- Mary Ellen Haase.....Staff Services
- Michael G. Holliday.....Chemistry
- Dorothy P. Meyer.....Biology
- John McVay Jr.....Accelerator
- Stanley Samuelsen.....Appl. Math.
- Yan Peng Yu.....Physics

## Still Some Turkeys Left Unclaimed At Contest Mid Point

As of 1 p.m. on Tuesday, there were only 11 employees who had won turkeys in BERA's Thanksgiving Offering.

Since last Friday, BERA and the Pepsi-Cola Company have been co-sponsoring a give-away contest which will end on Wednesday, November 27. Forty-eight turkeys, ten pounds each, and forty-eight cases of soda are to be awarded to people who receive a marked soda can from one of the vending machines on site.

Those receiving a can with a BERA seal marked "Turkey Winner" may take it to the Recreation Office and trade it for a turkey and a case of soda. Only one prize will be awarded to each winner.

Those who have claimed prizes so far are:

Arthur Barnes.....Cosmotron  
Paul LeDoux.....Nuclear Engineering  
Steven Marino.....Cosmotron  
Mike Helfant.....Nuclear Engineering  
Otto Haller.....80" Bubble Chamber  
W.E. Wells.....Physics  
Freddy Hillerud, Jr.....Staff Services  
George Baer.....Security  
James L. Davis.....31" Bubble Chamber  
Richard Weiss.....Grounds Maintenance  
Charles Bachsmith.....Hot Lab

## Movie Tonight

Thurs., November 21 - 8 p.m. - Berkner Hall

### Casablanca

A tender love story which accompanies a tight topical theme, that of the anti-fascist resentment and political intrigue which induced the Allied offensive in North Africa during World War II. Rick (Humphrey Bogart), the tough who runs the Casablanca cafe, meets the girl whom he loved in Paris (Ingrid Bergman), who is in Casablanca with her fugitive husband (Paul Henreid), a Czech patriot. They have very little Vichy protection in Casablanca and Rick (nostalgic for old times upon hearing his piano player Sam sing "As Time Goes By") holds the only two passports which will get them out of Casablanca safely.

Tonight with the showing of Casablanca in Berkner Hall begins a new era for BERA moviegoers - the era of soft seats and good acoustics. To celebrate this, there will be coffee, tea, and cookies served afterwards in the lobby. Casablanca concludes the Fall Film Series.

## These Are Champion Slow Pokes



Slow Pokes in name only, these members of the championship football team were fast enough to win all of their games in League play. In the front row are: Jack Brennan, Larry Johnson and George Oldham. To the rear are: Bill Crockett, Captain Tommy Prach, Charles Quappe and Jerry Levine.

## It Was Ladies' Day At The BNL Center

Over 250 ladies attended Wednesday's Tea & Sherry Party which was a delightful and delectable success. They chatted with friends and sampled the delicious hors d'oeuvres and sweets which were representative of 14 countries.

Adelaide Flatau was the general coordinator for the food, and was ably assisted by Helen Dorning, Suzanna Mughabghab, Marie Yax, Ann McKenzie-Wilson, Terri Pittinger, Mary Alburger, Anne Church, Roberta Zucker, Jackie Newman, and Maria Jablonski.

The floral arrangement credits go to Mary Cay Hankes, Lee Washburne, Dot Sheehan, and Marilyn Dahl. Margarita Sastre, Jean Lankshear, Ruth Cottingham, Phyllis Shreeve, Priscilla Knapp, Florence Gurinsky, Pat Uphoff, Sigrid Walther, Jane Shotkin, and Polly Van Horn were responsible for the decorations.

Others acting as hostesses were the Mesdames Auerbach, Lancaster, Kuper, Knudson, Sayre, Stubbings, Munhofen, Williams, Dodson, Jacobus, Beth, Neuss, Potter, Scherrer, Sato, Pate, Baker, Dernbach, Hopkins, Bates, Ellis, Cronkite, Earle, and Hammond.

Polly Van Horn, Chairman of the Hospitality Committee, attributed the success of the party to the fine cooperation of her committees.



Polly Van Horn (center), Chairman of the Hospitality Committee, is shown with members of the various Tea-Sherry Party committees.



Mariette Kuper pours tea for (standing, left to right) Regina Beckurts, Phyllis Lancaster and Ruth Dimmler . . .



while other guests were served sherry at Wednesday's Hospitality Committee Tea and Sherry Party.

## Theatre Group Holds Auditions for Gypsy

This coming May, the Theatre Group will present a full-scale musical production of "Gypsy." Auditions will be held on Monday, Tuesday, and Wednesday, December 2, 3, and 4, and again on Monday, December 9. Rehearsals will not begin until after the first of the year.

The cast of 35 includes parts for adults (musical and non-musical) and for children. There are several parts for boys and girls who should appear to be 10-12 years old. There are also parts for the teenagers.

So bring your children and yourselves to the auditions. The time is 7-8:30 p.m. for children, and 8-10:30 p.m. for adults. A list of all parts and their description is available at the Recreation Office. For further information, call Mary Kinsley, Ext. 7778 or 2821.

## Slo-Break Basketball

by George Latham

The Brookhaven basketball season opened last Thursday night with eight of the nine teams in the League seeing action.

In the first game last year's winners, Applied Math, downed Physics 33-10. Allan Saltzman and Les Lawrence had 9 points each for AMD while Dick Strand had 5 points for Physics.

Biology and Medical played another of their typical close games, and in overtime, Biology won 48-46. Darrel Joel lead all scorers with 18 points for Medical and John Marton had 11 points. For Biology, Nick Combatti had 14 points and Joe Abata and Bill Studier 11 points each.

The Knacks, with Ed Gill hitting for 17 points, downed the Highballs 40-31. Eddie Taylor had 12 points for the Highballs.

The Rat Pack got by the Old Timers 45-33. John Capute had 10 points for the Pack, with Herman Haller of the Old Timers leading all scorers with 13 points.

## Bowling News

Irma Carl

### Purple League

The lowly cellar dwellers rose up and smote the giant. Lady Luck was smiling on Fiscal as they bowled above average while the Twisters couldn't find the pocket. S & M now hold first place as the Twisters, due to two successive losses, dropped to a second place tie with the Phoubars. Jack Austen had a 214 and Ed Sperry a 210-526 series. Other 500 series were bowled by Dick Vogt 539, "Benny" Benson 517, Mike Guacci 504 and Joe Nocar 500.

### Red League

Fabricators in first, with the Spoilers a close (1 point) second. A new high average of 180 set by R. Nelson. R. Meyer rolled a high scratch series of 601. In the 200 class there were: R. Meyer 224, J. Weiss 200 and 220, R. Nelson 215, E. Meyer 214, C. Buzzco 214, and H. Frei 209.

### Green League

Electrons have taken first place from the Exots . . . a close one point here too. S. MacCormack rolled a 211-520 series. Menago and Hardman also a 211 each.

## Special Bowling Equipment Sale

Now Through December 2

The Recreation Office has been able to arrange a special discount sale for BNL employees anxious to purchase bowling equipment. Just by showing your I.D. card at the **Seven-Ten Pro Shop**, on Route 112 in Medford, BNL employees can enjoy tremendous savings on the following items:

	List Price	BNL Price
AMF Rocket Bowling Ball	\$21.95	\$14.95
AMF Scotsman or Glencoe Bag	6.00	4.00
Bowling Shoes (Ladies & Mens)	6.95	3.00
	\$34.90	\$21.95

You may purchase all three items at the unheard of price of \$21.95; or if you prefer, buy separately whatever you wish.

The sale, which is now in progress, will extend through December 2, **Only**. Don't miss this opportunity!

Samples of items and additional information are at the Recreation Office. Come in and browse between the hours of 9:00 a.m. and 1 p.m.

## Pool Schedule

Monday through Friday

5:15 p.m. - 9:30 p.m.

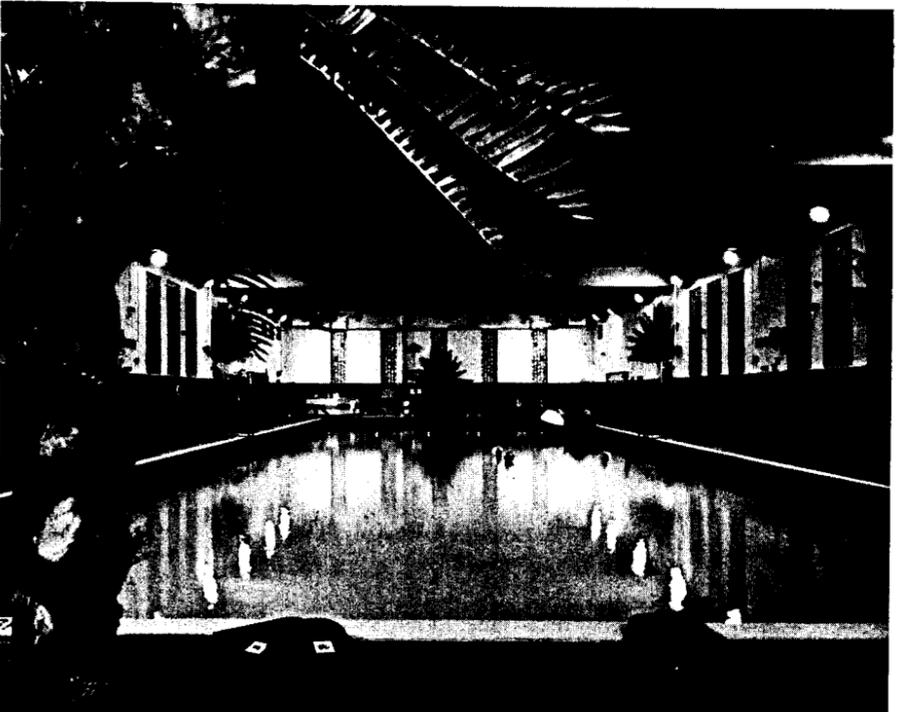
Call Blanche Laskee, Extension 2808, and order your season pass now.

The Fall-Winter-Spring Season will run to June 13, 1969 and the following admission schedule will be effective November 22.

### Admission:

Daily - Employee (Family Member)	35¢
Guest	60¢
Season - Unlimited Swims	
Employee	\$10.00
Family Member	\$10.00
Family	\$20.00

Guests must accompany the employee who is permitted to bring a maximum of 5 guests per family each visit.



156,000 gallons of warm filtered water surrounded by newly-decorated walls and ceilings await BNL employees and their guests every night of the week until 9:30 p.m. With the present windy, wet and cold weather, this is a perfect refuge for a relaxing evening.

Photo by Rosen

11-1527-68

11-1537-68

# Classified Advertisements

## Positions Available

TOWER LINEMAN (LEADMAN) (1) - Plant Engrg. & Planning.  
Application Deadline: November 25, 1968.

REFRIGERATION & AIR CONDITIONING ENGINEERS (2) - Plant Engrg. & Planning.  
Application Deadline: November 26, 1968.

MACHINIST (1) Central Shops.  
Application Deadline: November 27, 1968.

Employees interested in applying for above positions should inform their Supervisor and file written request with Employment Office on or before deadline date.

## Autos & Auto Supplies

68 HONDA CM-90 - 3 spd auto, ideal for trail riding, low mileage, helmet w/face masking incl. \$300 takes all. Frank, 289-3726 after 6.

61 PONTIAC CATALINA STATION WAGON - 9 psg, body clean. \$100. YA4-6348 after 5.

53 CHEVROLET 1/2 TON PICKUP - Good tires, runs well, new battery. \$150. Ed, Ext. 2872.

60 CHEVROLET BISCAYNE - 2 dr, ring job & new fuel & water pump in past 2 yrs, good running cond. Ext. 7444.

2 ROCKER ARM COVERS - Mickey Thompson, aluminum, for Olds 442, never used. Claire, Ext. 2131, 281-9034 after 5:30.

65 PLYMOUTH FURY II - 4 dr sedan, 6 cyl, std trans, 29,000 orig mi., new clutch, 2 new tires, r/h, tinted glass, excel cond. \$795. Claire, Ext. 2131, 281-9034 after 5:30.

65 AUSTIN-HEALEY 3000 MK III - Wire wheels, overdrive, red, excel, extras, 4 new Dunlop tires, new battery, must see. 475-5894.

BATTERY CHARGER - 1 amp (6-12 volts), brand new, never used. \$5. Morty, Ext. 2503.

66 COMET - 6 cyl, auto trans, low mileage. Inal, Ext. 2851, Ext. 520 nights.

60 CHEVROLET CONV - Running but needs good general servicing, auto trans, ps. \$100. George, Ext. 2912; Kathy, 325-8604.

63 AUSTIN HEALY SPRITE - Dk green, blk top, excel cond. Ext. 2840, 924-3581 after 5.

SNOW TIRES - 8.85-9.00x15, excel cond. \$30/pr. Bernie, Ext. 638.

61 MERCURY STATION WAGON - Colony Park, 6 mos guarantee on rebuilt trans. \$395. AT6-9260 eves.

RIMS - Pr 6.50x15 from '59-'60 Rambler. \$2.50 ea. Mona, Ext. 2245 after 4.

2 SNOW TIRES - 8.50x13, used 2 seasons. Make offer. Ext. 2725.

67 MUSTANG CONV - Full pwr, auto trans, V8, stereo tape player, tinted glass, must sell. \$1875. Ext. 418, 732-3443.

60 HILLMAN - 4 dr sedan. \$125. 589-7052.

63 FALCON - 4 dr, 6 cyl, std shift, blue, good cond, extra rims, w/w, r/h. Ext. 2469, 2416.

60 CADILLAC DEVILLE - Air cond, all pwr, good rubber, must be seen to appreciate, may be seen on site. \$750. B. Henrich, Ext. 567.

61 PONTIAC CATALINA - 4 dr sedan, auto trans, new battery, recent valve job, good tires, very good cond, must sell, owner leaving country. Moragues, Ext. 7644, 7720 after 6.

2 SNOW TIRES - 8.25x14, 4 ply tubeless, w/w, mounted on GM rims, used 1000 mi. Orig \$85, asking \$40. Marcia, Ext. 2380.

64 CADILLAC CONV - All pwr, air cond, excel cond, must sell. Ron, 473-3576.

63 FORD FAIRLANE STATION WAGON - 6 cyl, std trans, good cond. \$325. Ext. 7295, AT6-1169.

2 RAMBLER WHEELS - 15". \$1.25 ea. F. Rumph, Ext. 2221.

61 CHEVROLET STATION WAGON - 6 cyl, ps, auto trans, runs well. \$200. Stan, Ext. 7235.

68 CHEVROLET IMPALA CONV - Ps/pb, stereo tape, burglar system, new tires, still under guarantee. \$2350. Artie, AT6-0404.

62 RAMBLER AMERICAN STATION WAGON - Good running cond, avail late '68. \$100. Ernie, Ext. 2218.

62 FALCON WAGON - Auto trans, reliable trans. \$125. Siegelman, Ext. 7208, 751-1126.

67 MG MIDGET - Green, wire wheels, excel cond. \$1500. Ext. 2180, 288-1209.

60 CHEVROLET - 2 dr sedan, good running cond, 2 good snow tires. Ext. 7444.

TIRE RIM - 14", from Mustang. \$4. Bob, Ext. 7615.

66 TEMPEST - 2 dr sports coupe, auto trans, V8, 327, ps, radio. \$1150. Ext. 7469, GR5-1289 after 6.

67 CORVETTE - Last chance to purchase fully equipped Corvette in excel cond for \$3600 - new Corvette arriving soon. S. Spark, Ext. 2442, 2727.

HARDTOP FOR TRIUMPH TR-4 - White fiberglass w/cloth lining, wrap-around rear window, good cond. \$100 or best offer. S. Spark, Ext. 2442, 2727.

64 CORVETTE - 2 tops, mags, h.d. suspension, close ratio 4 spd, 365 hp, 4.11 posi rear, Hurst shift, tinted windows, am/fm radio, 66 louvers. AT6-9197.

426 RAMCHARGER MARK III COMPETITION ENG - Heads, crank, cam & valves, professionally reworked, well over 500 hp. AT6-9197.

SWAP - 2-13" 5 hole rims for 2-13" 4 hole rims, or sell. \$8. LT9-1342.

## Boats & Marine Supplies

15 1/2" PENN YAN FIBERGLASS BOAT - '67-50 hp Mercury manual start, Mastercraft trailer, all like new. \$1550. 724-0282.

SUNFISH BY ALCORT - Excel cond, w/dolly. \$350. Kahane, Ext. 2810, 744-6636.

14' ELGIN - W/18 hp Johnson. \$150. G. Rogers, Ext. 2428, 744-3945.

14' SPAN-AMERICAN RUNABOUT - Fiberglass, w/35 hp '60 eng. \$300. J. Alberg, Ext. 476.

BLUE JAY SAILBOAT - Best offer. LT9-1342.

## Miscellaneous

XTRA-XTRA - 21" Admiral table model TV, excel working cond, new picture tube. \$50. 924-6884 after 6.

FIREPLACE WOOD - 325-0567, 727-0271.

PORTABLE STEREO - Voice of Music, all solid state, used only 3 times. \$75. J. Jacobs, Ext. 2955.

5 PCE DINETTE SET - Heavy construction, unusual high back chairs in orange, good cond. Rogers, 286-9431.

SKIS - Head Standard, 7'0" w/Cubco safety bindings. \$40. C. Foelix, Ext. 2334.

TUBES FOR OLD RADIOS - 4&5 pin, loctal, others, used, good to excel. 25 cents ea for 4 or more. Walt K., Ext. 2457.

KAESTLE METAL SKIS - 220 cm, Look-Nevada safety bindings. Make offer. A. Wolf, Ext. 2282.

RCA SENIOR VOLTOHYMST - Model 98C, w/cables, excel cond. \$35. Ext. 464.

GASOLINE ENG - 3.5 hp Craftsman make, like new. Asking \$20. Brownie, Ext. 7382.

PORTACRIB - White, like new, expensive model w/extra thick mattress. Ext. 2942.

EMERSON CLOCK RADIO - Good cond, \$10; light meter, "Glossen Pilot," brand new. \$12. Jim, Ext. 567.

MAN'S BOWLING BALL - 16 lbs, purple, bag & size 10 bowling shoes, light tan; Lady Battina Universal hair dryer & case. \$10 ea. Ext. 567.

ORIGINAL OIL PAINTINGS - Very reasonable. \$6-\$15. Bob, Ext. 481.

GERMAN SHEPHERD PUPS - Males, white, w/papers, 3 1/2 mos old. L. Ruppert, 924-4989.

FIREPLACE LOGS - Seasoned oak, 18" long. 12/\$1. YA4-3236.

SUPERIOR TUBE TESTER - Model 450, \$10; Motorola 26 tubes transceiver, 12 volts, model FMTR80D, \$20. John B., Ext. 7388.

SPRAY-STEAM IRON - Manning-Bowman, used only 2 yrs, in excel cond; Ronson 260 elec shaver, used but in excel cond. Ext. 7720.

2 VENETIAN BLINDS - 65" long, new, still in carton. \$5. 289-1748.

AERIAL PHOTOGRAPHY, ANYONE? - Wide angle of course, single or group, free pilotage, will share plane rental tab. Arnold, Ext. 7667.

POOL - 4'x18', used 2 seasons, comes equipped w/vacuum, skimmer, ladder, filter, dispenser, test kit. \$140. B. DiLello, Ext. 7382.

AQUARIUM EQUIP - 2-10 gal tanks, pump, 2 filters, 2 heaters, 2 thermometers, 2 lights, plants & about 20 assorted fish. \$15. Jerry, Ext. 2154.

RECLINING HEART-CHAIR - 2 tone brown color, like new. \$50. G.F. Buhl, 744-2506.

CASTRO CONVERTIBLE HASSOCK - W/cover, takes little room, good cond. \$25. Ext. 7645, 727-4884 eves.

STEAM IRON - Sears, like new. \$5. Johnson, Ext. 2241, 2403, 2778 after 5.

ADMIRAL 21" TV - In fine working order. \$15. Johnson, Ext. 2241, 2403, 2778 after 5.

MIN POODLE PUPS - Male, female, real beauties, all shots. Reasonable. 281-8786.

FURNITURE - 2 sets liv rm furniture, 2 sets bedrm furniture (1 antique), rugs; all in beautiful cond. GR5-0363, EM3-6428 after 5.

TYPEWRITER - L.C. Smith Corona, full std size, old but in good working cond. \$15. Al, Ext. 7142, 273-5574 eves.

WALKER TURNER SHAPER - Bench table model, some cutters, no motor. As is, \$25. Doris, JU4-6329.

JOHNSON T.R. SWITCH - 3-30 mc, \$10; multi Elmac, PMR8-AF68A-1070 P.S. 6-12-115 volt, 80-6 meter, 60 w. \$110. Ext. 638.

2 ACRES - 500' off Jericho Tpke on Wilson Blvd. Gordon Heights. \$6000. 732-3443.

RELAXISIZOR - Stauffer, compl w/timer, good cond. \$50. Bob, Ext. 481.

BIKES - 24" Columbia boy's, banana seat, back seat, w/w tires, \$22; 26" Schwinn boy's hi-riser handle bars, \$12. AT9-1754.

GO-KART - Blitz w/MC9 eng, solid axle, starter incl. \$75. Al, Ext. 2592.

BABY CARRIAGE - Biltrite, folding, blue & white, like new. E. Bihn, Ext. 7631.

BABY CRIB - \$15; chest of drawers, \$20. Ext. 2515.

SNOW-BLOWER - Craftsman 15", excel cond. Ext. 2954.

PORTABLE STEREO STAND - On wheels, walnut & brass, holds LP's & 45's. \$7.50. Ronnie, Ext. 2198.

WINTER BOOTS - Girl's, brown exterior, 14" high, acrylic pile lined, size 5. \$3.50. Petruk, Ext. 2142.

UPRIGHT PIANO - Good cond. \$100. JU1-1544 after 5.

RCA RADIO - \$5; GE elec iron, \$2; 10 wick-fed flower pots, \$2. Ann, 286-2280.

WEDDING GOWN - Lace tiers, long lace sleeves, hoop, crown & veil incl, size 9, used once. \$150 brand new, best offer. Lois, 732-1600, Ext. 205.

WESTINGHOUSE WASHING MACHINE - Side loading 1954 model, motor dead, good for parts. \$5. Ext. 2853, AT6-0798.

HIDEABED - 3 cushion sofa, w/slipcovers, excel for rec rm, also bonus to buyer. Farrell, 588-9548 after 5.

ENLARGER - Developing tank, 4x5 & 10x12 developing trays. \$20. Lou, Ext. 485.

STEREO AMPLIFIER - Dual channels, Knight, very good cond. Best offer. Ext. 2942.

ROLL UP GARAGE DOOR - 10'x10', \$35; 36" Magic Chef stove, combination gas & kerosene, perfect, \$25. Ext. 574.

0-50 MICROAMP METER - Simpson. \$10. F.W. Gonzalez, Ext. 7220.

CORODO BABY CRIB - Good cond, \$15; carriage, coach, English manuf. \$15. Ext. 2594.

MILLER PLACE - 6 rm ranch, kitchen, din rm, liv rm, 3 bedrms, full basement, h/w baseboard, oil, 2 zone, exceptional neighborhood. M.W. Hilgemeier, HR3-5172.

PATCHOGUE - Victorian, 10 rms, landscaped 85'x430' fenced lot, oak floors throughout, recently converted to 2-5 rm apts, can be easily reconverted. \$17,000 firm. GR5-0363, EM3-6428 after 5.

BELLPORT VILLAGE - 3 bedrm ranch, fireplace, lg kitchen, good location. Hertzendorf, AT6-0538.

SHIRLEY - 3 bedrms, lg rec rm, 2 baths, w/w carpet in liv rm, breakfast bar w/swivel stools in kitchen, garage, basement, near Lab, schools & beach. Must sell, \$16,900. Abate, Ext. 7504.

SHOREHAM - 1 yr old colonial, 3 bedrms, din rm, rec rm, 1 1/2 baths, wooded, beach rights, 6% mort, excel location & value. \$22,500. 744-8388.

PATCHOGUE - Lg rms, 3 bedrms, 2 full baths, din rm, 2 car garage, storm windows, fireplace in din, Brookside Park area. \$25,000. Loizides, AT9-1611.

PT JEFF STATION - 55 yr old colonial, 3 bedrms, lg kitchen, din & liv rm, separate 2 car garage & shop, walk to stores, lot 100x125, taxes \$650, h/w heat. AT9-1748.

MILLER PLACE - 4 bedrm cape, lg kitchen, liv rm, w/raised hearth fireplace, basement, garage, 2 full baths, fenced 1/2 acre, corner lot. \$26,500. Livant, Ext. 371, 473-8578.

MANORVILLE - Sm cottage w/garage, 8 min from Lab. \$7000. 334-1162 after 6.

N. PATCHOGUE - 2-3 bedrm ranch on nicely landscaped 100x500 plot, full finished basement, extras. \$16,800. 475-0549.

BELLPORT - Maple Ave, 3 bedrm ranch, lg liv rm, eat-in kitchen, full basement, oversized att garage, deep, beautifully treed lot. Asking \$16,900. Ext. 572, AT6-8724.

MEDFORD - 6 rm ranch, 3 bedrms, oversized att garage, stove, refrig, washer, near schools, stores, expwy, 15 min from Lab. \$13,000. 475-7654.

SHIRLEY - Tile bath, lg liv rm, modern eat-in-kitchen, full basement, att garage, brick frontage,

on 1/2 acre, near stores, extras, also rent opt. to buy. Ext. 2984.

## To Rent

4 1/2 RM APT - Pt Jeff Station, avail Dec or Jan. \$172 w/heat & gas. Walt, Ext. 7215.

FURN HOUSE - Rocky Point, now till 6/30/69, 3 bedrms, garage. \$125/mo, no util. YA4-3082.

SHIRLEY, TANGIER - Furn or unfurn house, 2 bedrms, kitchen appl, fireplace, attic, cellar, covered patio. \$165/mo. 281-6340.

FURN BUNGALOW - Blue Pt. EM3-6174.

## Wanted

HOME - W/space to run for sable & white AKC collie, likes children. M. Kelley, Ext. 2533.

TYPING - Term papers, etc., to do at home. Claire, Ext. 2131, 281-9034 after 5:30.

HOME - For '63 model altered gentleman pussycat w/impeccable manners, will tolerate children, prefers more mature companionship. Judy, AT6-0549.

STOVE - To heat garage, wood burning, med size. G. Hrabak, Ext. 2713.

BOAT - 16' or larger, prefer fiberglass, reasonable. Kropp, Ext. 2465.

AUTOMOBILE - 1963-65 sedan in top shape, std trans. B. Walton, Ext. 2181.

GUITAR LESSONS - For lady beginner in her Shoreham home. 744-6674.

CLARINET - For hopeful daughter. Buchanan, 281-4140.

KENNEDY SILVER HALVES - 12 1/2% over face. Arnold, Ext. 7667.

BABY'S DRESSING TABLE - W/drawers, good cond, reasonable. Livant, Ext. 371, 473-8578.

HOME - For female collie, excel disposition, housebroken. Nancy, Ext. 2114, AT6-9009.

## Carpools

PAYING RIDER - Needs ride from Westbury-Hicksville area or thereabouts. 334-1162.

DRIVER WANTED - To compl carpool from Bayport. Lee, Ext. 566.

## Shoestring Potpourri At Bellport Jr. High

The Playcrafters, a South-Shore amateur theatrical group, will present *Shoestring Potpourri*, or *They Loved Us In Speonk*. This is a variety show representing every age group, a show that will have appeal for everyone in the family. Come one, come all, and see your friends, neighbors and co-workers display their special talents!

Among the players are Ernie Sykes (Instrumentation), Charles Zavesky (Cyclotron), Charlie Gould and Boris Lomonosoff (AGS). Elaine Palevsky, Peggy Suydam, Elaine Hendrie, Eleanor Gould, Marie La Placa and Marjorie Binnington, Lab wives and daughters, are also in the production.

The place will be the Bellport Jr. High School Auditorium on Friday and Saturday, November 22 and 23, at 8:30 p.m. Tickets \$1.25 Adults and \$.75 Students. Tickets will be on sale at "Plain and Fancy," Bellport, and at the door the nights of the performances, or call AT6-9669 or Boris Lomonosoff at Ext. 7386.

## Classified Ad Policy

Deadline is 12 noon Friday for publication the following Thursday.

- The Bulletin Board's classified section may be used only by active and retired Laboratory employees.
- All items for sale or rent must be the advertiser's property.
- Persons listing houses, apartments, or rooms for sale or rent, do so with the understanding that these must be available without regard to race, creed, color, or national origin.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Ads should be restricted to 20 words or less and typed

or printed on the form provided, and must bear the employees signature.

6. Ads not carried because of space restrictions will be held for publication in the next issue.

7. Ads are run only once and must be resubmitted if they are to be repeated.

8. Firearms offered for sale or trade may not be brought on site.

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| <input type="checkbox"/> For Sale: Auto & Auto Supplies    | <input type="checkbox"/> For Sale: Houses | <input type="checkbox"/> Carpools                               |
| <input type="checkbox"/> For Sale: Boats & Marine Supplies | <input type="checkbox"/> For Rent         | Check <input type="checkbox"/> the heading applying to your ad. |
| <input type="checkbox"/> For Sale: Miscellaneous           | <input type="checkbox"/> Wanted           | Print or type your ad in 20 words or less.                      |

If this ad concerns housing for sale or rent, such housing is available without regard to race, creed, color, or national origin.

Employee's Signature ..... Life No. .... Ext. ....  
Send to: BULLETIN BOARD, 40 Brookhaven Avenue