

# BULLETIN BOARD

Volume 20, Number 1

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December 23, 1965

## Dr. N. Glasoe Bids Farewell To Cyclotron He Built in '36

Last week, Dr. Norris Glasoe, Assistant Director of the Lab, joined with four fellow scientists in the basement of Columbia University's Pupin Physics Building for a champagne farewell party. The guest of honor was Columbia's 36-inch cyclotron, now 27 years old and obsolete; it is being dismantled and shipped to the Smithsonian Institution. There it will be displayed in such distinguished company as the Wright Brothers' first plane and John Glenn's space capsule.

In 1939, this accelerator was used to split the uranium atom for the first time in the United States, and, later, it was used to show that the rare isotope Uranium 235 could be bombarded with neutrons to release other neutrons and tremendous amounts of energy. Experiments of this type later led to the work on nuclear reactors and the atomic bomb. As an instructor in Columbia's Physics Department, Dr. Glasoe played a key role in the building of the cyclotron.

In 1936, when Dr. Glasoe and his colleagues were building the Columbia device, the basic ideas were about five or six years old. Physicists had

thought that particles could be accelerated by a series of pushes much the way a child's swing goes higher and higher with each push. The pushing force could easily be supplied by an alternating electric voltage but the trick was to get each successive push "in phase." In 1931, the linear accelerator was developed. The particles are driven down a tube divided into sections. As the particles enter a section, they are given an electrical shove and, in this way, reach higher and higher energies. However, as particles are speeded up, each successive tube must be longer than the previous one so that the particles will remain in phase, and, since there is a limit to how long a tube can be made and still have a workable arrangement, there were shortcomings in the linear accelerators of the early thirties.

At the University of California a young physicist, Dr. Ernest Orlando Lawrence, came up with a better idea. He suggested that instead of sending the particles down a straight path in a tube, they could be whirled around in a spiral path and controlled  
(Continued on Page 2)



**THEN**—In 1938, Dr. Norris Glasoe (seated), then an Instructor in the Columbia University Physics Department and now an Assistant Director of BNL, put the school's cyclotron into operation for the first time. Looking on is Dr. John R. Dunning, then an Associate Professor of Physics, head of the cyclotron project. Dunning is now Dean of Columbia's School of Engineering and Applied Science. Early in 1939, the machine was used in some of the first experiments on uranium fission in the United States.

### BERA Art Show Announced

The BERA Art Committee announces the opening on Friday, January 21, of a representational show lent by the Kennedy Galleries of New York City. The exhibit, which will be on view approximately three weeks, will consist primarily of the works of 19th century American artists.

outs for "Heartbreak House." Scripts can be obtained from Director Gert Friedlander (55 Bell, Ext. 619). Tryouts will be held in the theater at 8 p.m. on Tuesday, January 4, Wednesday, January 5, and Tuesday, January 11.

### Kaffee Klatsch

Apartment dwellers and off-site staff wives interested in meeting more Lab people, please come for coffee at the Recreation Building to meet Hospitality Committee members and each other. Children are, of course, welcome. The date is December 27; the time is 10:30 a.m. till noon.

### Recreation Facilities Holiday Schedule

The Recreation Building, Swimming Pool and Gymnasium will remain open as per their present normal schedules throughout the month of December, with the following exceptions:

#### Closed

Thursday & Friday, December 23 & 24 - Swimming Pool and Recreation Building

#### Closed

Friday, December 31 - Swimming Pool

#### Closed

Monday, December 27, and Tuesday, December 28 - Recreation Office.

## BNL Short Subjects

### Cooking Exchange Cookbooks Available

The cookbook, put together by The Cooking Exchange Group, which sold out in its first printing, is again available from the Recreation Office. The "Glorious World of International Cookery," published by BERA, contains a variety of recipes from many foreign lands. Price of the cookbook \$2.

### "Heartbreak House" Tryouts in January

The BNL Theater Group is always searching for new talent. Even if you've never been an actor, don't let that stop you from coming to the try-



**NOW**—Last week, Dr. Glasoe (left) and Dr. Dunning met again at the farewell party for the Columbia Cyclotron. The accelerator is being dismantled and shipped to the Smithsonian Institution where it will be put on display.

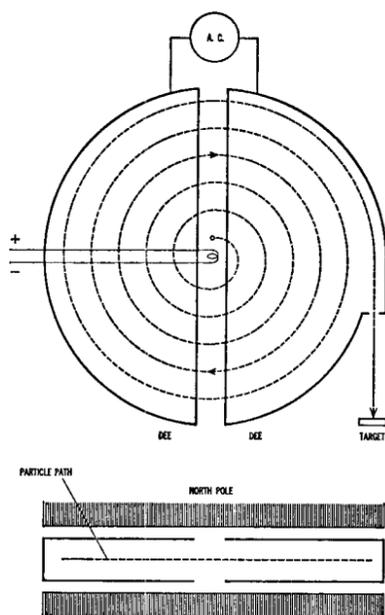
## Rebuilding 60-inch Cyclotron To Allow Variable Energies

The Cyclotron Operations Group of the Physics Department is rebuilding the 60-inch cyclotron so that it will become a more versatile machine. One of the basic limitations in cyclotrons built years ago is that they must operate at fixed energies. When the modifications are finished in the fall of 1966, the machine will accelerate particles to a variety of energies.

The cyclotron has been operating since 1951 as a fixed-energy accelerator capable of providing 10-MeV protons, 20-MeV deuterons, 30-MeV Helium 3 ions, and 40-MeV alpha particles. MeV stands for million-electron-volts - an electron volt is the energy an electron acquires in moving across an electrical field with a one volt potential.

Modifications now under way include changing the magnet pole tips to create a sector-focusing magnetic field and changing the radio frequency voltage system to one that can be varied. When the modifications are completed, it will be possible to accelerate protons to 40 MeV, and Helium 3 ions to 60 MeV. Maximum energies for deuterons and alpha particles will remain as before. It will

also be possible to vary the energies of any particle type from the maximum down to one-tenth of the maximum.



View from the top of a cyclotron schematic shows how it works. Particles are injected into the center of the device and are pushed in an ever widening spiral by an alternating voltage in each dee. The spiral is controlled by a magnetic field.

### Alien Address Reports Due in January

The Immigration and Nationality Act requires that aliens in the United States on January 1, each year, report their address during the month of January. This report is required even though the alien has not changed his address since the last report. This law does not apply to aliens here in diplomatic status nor to those who are accredited to the United Nations. The parent or legal guardian of alien children under fourteen years of age must submit an address report for them. Any alien who is temporarily absent from the United States on January 1, must report his address within ten days after his return.

Persons registering may go to any United States Post Office or any Immigration and Naturalization Service Office and ask for the Address Report Card, Form I-53. When the card is filled out, it may be turned in to any Post Office or Immigration and Naturalization Office. It may not be mailed. The alien must hand in the Address Report Card during the month of January each year.

An alien required to report his address who inexcusably fails to report is liable to be taken into custody and deported.

*Merry Christmas*

### Built Cyclotron

Continued by a magnet. He designed a flat device in which particles injected into its center were caused to spin in ever widening circles. They were held in orbit by a strong magnetic field. The circular chamber was divided in half (the halves are called "Dees") so that a particle moving from one half to the other was given an electrical push. At the end of the spiraling orbit, the particles were directed to a target. By 1939, cyclotrons had reached sizes of about 60 inches across, capable of accelerating particles to energies of about 20 million electron volts. Lawrence received the 1939 Nobel Prize for his cyclotron.

### No Bulletin Board Next Week, Shift Schedule for '66

As in the past, the Bulletin Board will not publish on the week between Christmas and New Year's. When the Bulletin Board resumes publication in 1966 it will publish on Thursdays not on Wednesdays. This one-day shift in schedule is made necessary by the new format and increased content. All deadlines, including Classified Advertising, will remain unchanged.

### Slo-Break Basketball

By George Latham

Last Thursday evening, the league played the last games before the holiday break. The next games will be played January 6, and the league invites all who are interested to watch, starting at 6:15 p.m.

In the first game, the Old Timers pulled away from the Fire Department in the second half and won the game 43-25. George Leverock and Herm Haller of the Old Timers and Mike Carroll of the Fire Department shared scoring honors with eleven points each.

The Dirty Sox had a cold night and lost to a strong Physics team, 32-19. Stoeffel had ten points for Physics, while Horton lead the Sox with eight points.

Biology edged Applied Math, 30-29. Les Lawrence, with twelve points and Dallas Thompson, with eleven points, lead the Applied Math team. Dick Ruffing and Duane Schroeder had eight points each for Biology.

The following are the league standings for the season so far:

|                     | won | lost |
|---------------------|-----|------|
| Old Timers          | 2   | 0    |
| Physics             | 2   | 0    |
| Dirty Sox           | 2   | 1    |
| Biology             | 2   | 1    |
| Fire Department     | 1   | 2    |
| Nuclear Engineering | 0   | 2    |
| Applied Math        | 0   | 3    |

### Waiting Period Cut For Disability Insurance

Reprinted below is an announcement by Dr. Goldhaber regarding enrollment in the Group Long Term Disability Insurance Plan.

If you did not receive the announcement, please notify Personnel Services, Extension 2106, so that a copy can be sent to you.

Effective January 1, 1966, the eligibility period required for participation in the Long Term Disability Insurance plan will be reduced from three years to one year. Consequently, this coverage will be provided to the following groups of employees currently not participating.

1. All regular full-time employees age 30 and over with one year of service.
2. All regular full-time employees under age 30 with one year of service who, on date of employment, elected to participate upon becoming eligible.

The coverage will be effective on January 1, 1966, for eligible employees in active service on that day. Eligible employees not in active service on January 1, 1966, will be covered upon the date of their return.

The first regular weekly or monthly premium (one third of one percent of covered base salary) for those employees becoming eligible on January 1, 1966, will be deducted from paychecks which weekly employees receive on January 27 and from paychecks which monthly employees receive on January 31.

New Long Term Disability Insurance certificates, including the changes which became effective September 1, 1965, are being prepared and will be issued to all participants as soon as they are available.

### USNR Research Company Sets Drill Schedule

The card below lists the drill schedule for the coming quarter. It is designed to be clipped out and carried in a wallet. BNL and other Naval Reserve Officers are invited to attend the lectures. For further information contact Len Baker, Ext. 591.

**USNR RESEARCH CO. 3-9**  
**BROOKHAVEN NATIONAL LABORATORY**  
 UPTON, N.Y.    YA 4-6262    EXT 591

**DRILL SCHEDULE**  
 FOR QUARTER ENDING 31 MARCH 1966

|         |   |                       |
|---------|---|-----------------------|
| 12 JAN. | ELECTRONICS SYSTEMS INTEGRATION                                 | CAPT G. KLAUS USNR    |
| 19 JAN. | ATTEND BROOKHAVEN LECTURE                                       |                       |
| 9 FEB.  | LUNAR EXCURSION MODULE PROGRAM                                  | J. ROTH (GRUMMAN)     |
| 16 FEB. | AIRBORNE INSTRUMENTS LAB PROGRAMS*                              | H. HECHTMAN (AIL)     |
| 9 MAR.  | THE LASER   | TO BE ANNOUNCED       |
| 16 MAR. | THE CONCEPTION, DESIGN, CONSTRUCTION AND TESTING OF AN AIRCRAFT | S. FLETCHER (GRUMMAN) |

\*UNIFORM DRILL; ANNUAL INSPECTION; SOCIAL HOUR

DRILLS COMMENCE AT 1930 AT THE BROOKHAVEN CENTER

MAKEUP DRILL ON 30 MARCH 1966

### Gurinsky Adjunct Prof. at Columbia University

Dr. David H. Gurinsky, Head of the Metallurgy and Materials Science Division, has been appointed Adjunct Professor of Physical Metallurgy at Columbia University.

During the term of his appointment, effective until June 30, 1966, Dr. Gurinsky will continue with his responsibilities at the Lab.

## BERA Concert Series Janos Starker

The third concert of the 1965-1966 series will be given by the cellist, Janos Starker on Thursday, January 6, at the Brookhaven Center at 8:30 p.m.

Since 1958, when Starker decided to devote himself exclusively to a concert career, his performances in concert and as soloist with orchestras have caused excitement among audiences and critics. Born in Budapest, Starker began to study the cello at the age of seven and made his professional debut three years later. He held the first cello chair in both the Budapest Symphony and Opera orchestras. Upon leaving Hungary, he embarked upon a successful concert career in Western Europe and, for his first recording - Zoltan Kodaly's Sonata for Unaccompanied Cello - he was awarded the International Prix du Disque. Starker has been principal cellist with the Dallas, Metropolitan Opera, and Chicago orchestras since his arrival in America in 1948. Now an American citizen, he combines a professorship at Indiana University with a formidable career that has brought him recognition as not only one of the greatest cellists, but also one of the truly remarkable artists of the twentieth century.

The program will include:

Suite for Unaccompanied Cello,  
No. 3.....Bach  
Suite for Unaccompanied Cello,  
No. 4.....Bach  
Sonata for Unaccompanied Cello,  
Opus 8.....Kodaly

Season tickets: Adults, \$10.00;  
children (under 18 years old) \$5.00.  
Single admissions: Adults, \$3.00;  
Children, \$1.50; non-employee guests,  
\$3.50.

## Arrivals & Departures

### Arrivals

Louis A. DiCarlo, Supply & Materiel . . . Walter E. Jahnig, Inst. & Health Physics . . . Roquez Bejarano, Applied Math . . . Marie C. Fogarty, Reactor.

### Departures

Robert Cohen and Noboru Nakaniishi, Applied Math . . . Peter W. Kendall, Nuclear Eng. . . Olof Steinsvoll, Physics . . . Emory T. Adams, Jr., Biology . . . Veljko Radeka, Inst. & Health Physics.

## BERA Film Series

### 'The Inspector General' Starring Danny Kaye

How do you describe one of the great Danny Kaye features? Is it a classical comedy full of sight gags and hilarious slight misunderstandings? Or is it a delightful package of clowning and nonsense to be fully appreciated only if you are fifteen years old or less? Or is it a high-brow comedy, unashamedly deflating people and their customs, follies, and the pretenses they cling to? Well, of course, the answer is that it is all of these plus a just plain funny movie in the inimitable Danny Kaye style. Danny plays Georgi, a stooge in a gypsy medicine show, who is mistaken for the emperor's Inspector General. Will he get away with it? And what happens on the arrival of the real Inspector General, dispatched by the emperor to uncover and dispose of grafting public servants? Bring the children. Bring the family. Bring a date. Come and find out.



Short: 'Very Nice, Very Nice'

A wonderful and fresh short produced by the National Film Board of Canada. A prickly commentary on the chaotic events of the day, as they might look to someone young and uncommitted; the film is made up of dozens of still pictures which will seem familiar.

Thursday, December 30, 8:30 p.m. in the Lecture Hall.

—Peter Lieberman

### Ski Club Schedules Trip

It was decided at the last meeting of the Ski Club that the planned ski trip on January 15 will be to Northern Vermont. A committee to handle arrangements concerning lodging and to help in organization has been formed. Those who wish to go on this trip please call David Schlesinger at Ext. 7147 as soon as possible.

## C.V. Robinson Honored With University of Missouri Award

Dr. Charles V. Robinson of the Medical Physics Division of the Medical Department has been honored by the University of Missouri Alumni Association by a Citation of Merit.

The citation is for outstanding achievement and meritorious service in arts and science. The award was in connection with the University's Arts and Science Week Commemoration.

## Federal Mediators Called Into DALU Contract Talks

The agreement previously reached between the Laboratory and the Directly Affiliated Local Union No. 24426 was rejected by the members at a ratification meeting last Thursday night.

Further meetings will be held between the Laboratory and the Union under the auspices of the Federal Mediation and Conciliation Service commencing next on December 27.

## Ralph Bunche To Launch New AUI Lecture Series

Dr. Ralph J. Bunche, United Nations Under-Secretary for Special Political Affairs, has accepted an invitation to give the first lecture in a new series entitled "The AUI Trustee Distinguished Lectures." Dr. Bunche will speak in the Brookhaven Theatre on Thursday, January 13, 1965. Admission will be by ticket which will be available upon written request on a first-come, first-serve basis, to a limit of two tickets per employee.

The AUI Trustee Distinguished Lectures were established to broaden the subject matter of lectures available at the Laboratory, and reflect the interest shown in the George B. Pegram Lectures. The new series calls for single lectures by individuals outstanding in their field of endeavor without regard to its connection with science. Initially, arrangements are being made by the Pegram Lecture-ship Committee for two lectures each year. Comments and suggestions may be directed to this committee.

Dr. Bunche, educated at UCLA and Harvard with postdoctoral work at Northwestern, the London School of Economics, and the University of Cape Town, joined the U.S. State Department in 1944 and participated in the first UN Conference in San Francisco in 1945. A year later he joined the United Nations where he has held a number of posts. Much of

his work is concerned with the UN programs on the peaceful uses of atomic energy and with the Near East.



Ralph Bunche

Dr. Bunche has been the recipient of numerous honorary degrees and awards, including the 1950 Nobel Peace Prize, given for his role in Palestine.

Ticket Application  
The AUI Trustee Distinguished Lectures  
Thursday, January 13, 1966

Please send 1 2 (circle the number desired) tickets to the lecture.

NAME..... (please print)

LAB ADDRESS.....

Send To: M. Kuper  
40 Brookhaven Ave.

# Classified Advertisements

## Autos, Auto Supplies

1958 FORD - Pickup truck, 6 cyl, custom cab, good cond. \$375. W. Johnson, Ext 482.

1962 FORD - Falcon, sta wagon, std trans, 2 snow tires, r/h, blue body, low mi, excel cond. Ext 2955 or 7708 after 7.

1961 VOLKSWAGEN - 5200 mi, r/h, aqua color, good cond. \$650. Ext 7636 or AT 6-0459 after 5:30.

1963 CHEVROLET - 233, auto trans, ps, r/h, w/w, 31,000 mi, excel cond. \$1295. S. Wagner, Ext 618.

1962 FORD - Fairlane, V8, blue, new spare tire, excel cond. Owner left country. \$950. Oji, Ext 2920.

1960 CHEVROLET - Biscayne, 6 cyl, auto trans, good tires. \$275. R. Meyer, Ext 2850 or LT 9-5757.

HOUSE TRAILER - 36'x8' Silver Star, living rm, dinette, kitchen, bedrm-bath. Ideal for single person or married couple. Ext 2739.

1963 TRAVEL TRAILER - Yellowstone, 16', self contained, sleeps 4, refrigerator, stove & oven, heater, pressure water, complete with Reese equalizing hitch and brake controller, excel cond. F. Truman, Ext 2741 or GR 5-4627 after 5:30.

1962 OLDSMOBILE - Starfire, blue, 8 cyl, auto trans, full power, bucket seats, console, excel cond. AT 6-8472.

1961 CHEVROLET - Impala, 4 dr hardtop, V8, r/h, turboglide trans, good tires, 39,000 mi, excel cond. \$995. Ext 592 or AT 6-0508.

1960 ENGLISH FORD - Consul, 4 dr, white sedan, roomy, economical, compact. \$280. A. Harris, Ext 2445.

1958 CHRYSLER - Imperial, white, 2 dr, pb/ps/pw, 6 way power seat, new tires & brakes, excel cond. Bob, Ext 2536.

1962 VOLKSWAGEN - Black, w/w, r/h, good cond. \$950. M. Flom, Ext 2741

1958 PLYMOUTH - Wagon, std trans, good tires. Best offer. J. Baum, Ext 550 or GR 5-5543.

1960 VOLKSWAGEN - Convertible, new top, new paint, good cond. \$800. Bud, Ext 622.

1955 STUDEBAKER - Silver Hawk, V8, auto trans, r/h, leather upholstery, new paint job, like new tires, 2 snow tires on separate rims, excel cond, 48,000 orig mi. \$500. Walt, Ext 2457 or AT 6-0246 after 5:30.

1964 CHEVROLET - Biscayne, sta wagon, 6 pass, 6 cyl, std trans, r/h. \$1475. J. Haeg, Ext 363 or 562.

1961 LARK - 4 dr delux sedan, 6 cyl, std trans, 2 snow tires, 69,000 orig mi. \$500. H. Susskind, Ext. 2270.

1963 PONTIAC - Tempest, sta wagon, 4 cyl, std trans, r/h, w/w, tinted windshield, good cond. Ext 486.

## Boats, Marine Supplies

SUNFISH - Blue deck, blue & white sails, stored indoors since purchase (new) in summer 1965, dolly included, used several times only. Asking \$410. LT 9-3608.

18' SPEEDBOAT - Century "Arabian," new 215 hp Gray Marine V8 engine, 47 mph, all mahogany hull, many extras, excel cond. Sacrifice, \$1950. Ext 2293 or MA 7-1420.

## Radio, TV, Hi-Fi

CONSOLE - 21" RCA, blonde. \$40. R. Majestic, Ext 686.

TV - Admiral, 21", console on swivel base, good cond. S.C. Jones, Ext 2394 or 277-9089.

TV - RCA Victor, 19", table model, about 10 yrs old, stand included. \$25. Jake, Ext. 2211.

HIFI - Turntable, 33 1/2 and 45 rpm, Rek-O-Kut, S160, 16" stereo tone arm, mounted, GE mag cartridge and diamond stylus included. \$25. D. Weigand, Ext 2487.

HIFI - DeWald AM-FM tuner. \$30. J. Guthy, Ext 422.

## Home Furnishings

WASHER - Auto, Westinghouse, good working cond, needs rubber door boot. \$20. George, Ext 2395 or GR 5-7426 after 6.

FREEZER - Coldspot, upright, 15.2 cu ft, holds 532 lbs, excel cond, 1 yr old, 32" wide by 30 3/4" deep by 65 1/2" high. R. Perry, Ext 2749 or GR 5-1636 after 5:30.

BABY CARRIAGE - Storkline, winterweight folding, rain cover and toddler's seat, good cond. \$12. Ext 2393.

REFRIGERATOR - Admiral, 15', coppertone, 2 yrs old, excel cond. \$275. Bob, Ext 2167 or JU 8-1424.

REFRIGERATOR/FREEZER - 14 cu ft, Norge, no frost, 105 lb freezer, 8 yrs old, excel cond. Cost \$300; will sell for \$50. Also double bed mattress and box spring, good cond. \$20. Ext 344.

DINETTE SET - Six chairs, gold trim, black table w/formica top, white padded chairs. S.C. Jones, Ext 2394 or 277-9089.

COMBINATION FREEZER/REFRIGERATOR - 12 cu ft, 9 cu ft respectively, Marquette, white, excel cond. S.C. Jones, Ext 2394 or 277-9089.

DRESSERS - Two, one child's, the other regular. \$20 each. Jake, Ext 2211.

MISCELLANEOUS - Crib, wooden, folding type, \$5; playpen, "Gem" footfold model, \$10. Ron, Ext 610 or 929-4902.

## Miscellaneous

POLAROID CAMERA - Model J95A, flash attachment, wink light, lightmeter, carry case, excel Christmas gift. B. Kreiling, Ext 2871.

U.S. ANTIQUE GUNS - Kentucky percussion, 1862 Springfield musket, Remington Civil War revolver in case. All in fine cond, will consider trade or buy other antique firearms and edge-weapons. C. Hamill, Ext 2390 or AN 5-3934.

FLOOD LIGHTS - Two Victor professional. \$4 each. F. Barnes, Ext. 7173.

RADIATOR - Cast iron, 22 units about 26"x5". Best offer. B. Keck, Ext 7752.

ICE SKATES - Woman's white, size 9. \$3. Ext 2287.

GERMAN SHEPHERDS - AKC, male & female. \$100. Will be 4 weeks old for Christmas. GR 5-2635.

HUNTING CLOTHES - Jacket & trousers, Woolrich, excel cond. \$30. George, Ext 2395 or GR 5-7426 after 6.

CAMERA - Polaroid Land, Model 95A, looks brand new. \$45. Jeeva, Ext 2427 or 281-5178.

CAMERA - Exakta VXiIIa with Biotar 58mm lens, also Schneider Tele Xenar 135mm lens, filters, penta prism, sunshade, etc. Complete \$155. F. Barnes, Ext 488.

MISCELLANEOUS - Large Coleman's oil floor furnace, 275 gal oil tank. No reasonable offer refused. Also, 20 gal electric hot water heater, good cond. \$15. Bennett, Ext 411 or 281-8683.

TYPEWRITER - Olivetti portable, like new, \$40. Vibraharp, good tone. \$50. AT 6-0459 after 5:30.

CAMERA - 35mm Micronta with leather case, f:3.5 lens, flash gun, light meter and slide viewer, \$25. Also, steel floor stand table to convert electric hand saw to bench saw with rip fence and miter gauge, \$10. R. Hildenbrand, Ext 7777.

RACING CAR SET - Complete with straight and curved tracks, cars, crossovers, turnouts and terminal track, AC/DC converter, extras. \$10, firm. J. Weiss, Ext 2472.

BICYCLE - 20", convertible to boy's or girl's model, \$5. Tricycle, 10", \$2. Morris, Ext 7739 or SH 4-5096.

LIONEL TRAINS - Diesel set & steam type set, lots of track & accessories, will sell separately. A. Riechlew, Ext 7642 nights or YA 4-6872 from 12 noon to 3:30 p.m.

BICYCLE - Schwinn Racer, full size - 2 years old, excellent condition, \$30. HR 3-2523 after 6:30.

CAMERA - 2 1/4x3 1/4 Zeiss Ikon Model C, "Sync," f:3.5 lens, coupled range finder, self timer & new case. \$45. J. Ferrer, Ext 7684.

BICYCLE - Men's, Hercules, gear shift, hand brakes. \$15. J. Ferrer, Ext 7684.

## Wanted

ICE SKATES - Girl's, size 4. S. Becker. Ext 560.

FREEZER - Upright, 10 cu ft or greater, reasonably priced. Jake, Ext 2211.

## For Rent

HOUSE - 2 bedrm, furnished, in Brookhaven, living rm, with fireplace and small dining rm, available February 1, 1966. AT 6-0143.

HOUSE - Rocky Point, furnished 5 rm stone house, fireplace, oil heat, near beach. \$110 per mo. SH 4-5282 after 7.

HOUSE - In Blue Point for sale or lease, completely remodeled and decorated, 7 rms, 1 1/2 baths, 2 car garage, large plot, low taxes. EM 3-6673 after 4:30.

APARTMENT - North Shirley, unfurnished, 2 bedrms, modern kitchen with electric oven and stove, very neat and spacious. \$125 per mo includes all utilities. 924-3283.

## Carpools

DRIVER - Wishes to join existing carpool or form new one from N.Y.C. area. J. Holder, Ext. 7779.

LOOKING - To join or start a carpool from Commack. George, Ext. 2239.

DRIVER/RIDER - Wishes to join existing carpool or form new one, Wantagh, Exit 28 on Southern State Pkwy. A. Kandiew, Ext 2551

DRIVER - To complete existing carpool from Blue Point-Bayport area. Marion, Ext 462.

DRIVER - Or paying rider wishes to join carpool or form new one from Shirley. B. Baker, Ext 616.

DRIVER/RIDER - Wishes to join existing carpool or form new one from East Patchogue-Patchogue Shores area. P. Ulzheimer, Ext 620 or GR 5-7191.

WANTED - One alternating rider/driver from West Islip area, south of Montauk Highway, Betty, Ext 2591.

## Lost & Found

FOUND - Glasses, prescription, T-30 parking lot.

FOUND - Ear muff band, white fur, Gym.