



## Final Revelle Lecture Tonite

The third and last of the current Pegrarn Lecture Series will be delivered tonight by Professor Roger Revelle. The first lecture, on April 17, was attended by over 650 people who heard Professor Revelle talk on the division of mankind into the Rich and the Poor. The second lecture, on April 22, was concerned with how the poor countries can feed themselves.

In his last lecture of the series, Professor Revelle will discuss what must be done to



Professor Roger Revelle

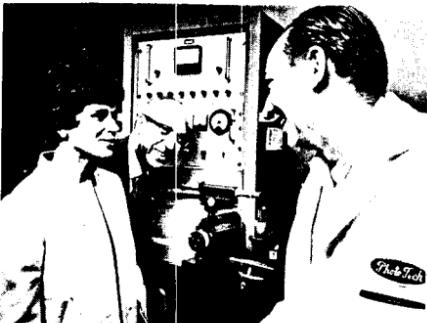
solve the population problem. According to Revelle, the problem is not with "overpopulation" but rather with the high rates of population growth. "There is general agreement," said Revelle "that more effective, more acceptable, and more easily used contraceptive methods are needed."

"To reduce the number of children desired by individual couples, perhaps a necessary, though not sufficient, condition will be to reduce infant and child mortalities much below their appallingly high rate in the less developed countries."

Professor Revelle was welcomed to the Laboratory by Dr. Maurice Goldhaber, and introduced to the audience by Dr. Franklin A. Long, Chairman of the Board of Trustees of AUI. After the conclusion of a spirited question period after Revelle's speech, the audience was invited to an informal reception in the Brookhaven Center.

Tonight's lecture will be held in Berkner Hall and will start promptly at 8:30 p.m.

## Photo-Scientists Tour



In the Continuous Film Processing facility of Technical Photography, Frank Welsh (right) shows control equipment to members of the Society of Photographic Scientists and Engineers.



Members of the New York Chapter of the Society of Photographic Scientists and Engineers met at BNL last week after touring scientific photographic facilities. Byron B. Culwick (left) explains scanning table techniques to the members. —Humphrey



Pegram Lecturer Roger Revelle (left) and Lab Director Maurice Goldhaber (center) join in an ovation to Franklin A. Long, Chairman of the Board of AUI. Dr. Long introduced Professor Revelle before the start of the first Pegrarn Lecture on April 17. —Humphrey

## LIDAR Conferees Meet At BNL



Informally discussing LIDAR systems are (left to right): Raymond W.H. Wright, University of the West Indies; Robert Brown, BNL Meteorology; Jean Pourny, Laboratoire de Physique, Jean-VIGNAL, France; and Barclay Clemesha, Comissao Nacional De Atividades Espaciais, Sao, Jose Dos Campos, Brasil. —Humphrey

## V.I. Goldanskii To Speak At BNL

On Monday, April 28, Professor Vitalii I. Goldanskii, of the Institute for Chemical Physics, Moscow, USSR, will give a joint Brookhaven-Stony Brook Colloquium on the subject "Chemical Reactions of Positronium."

Professor Goldanskii is a distinguished scientist who has made important contri-



Professor Vitalii I. Goldanskii, Head of the Nuclear and Radiation Chemistry Laboratory of the Institute for Chemical Physics, Moscow.

butions in a variety of fields of chemistry and physics, including Mossbauer spectroscopy and its applications to chemistry, high energy nuclear reaction studies, radiation polymerization, positronium chemistry, and prediction of nuclear properties and of a new mode of radioactive decay: 2-proton radioactivity.

Professor Goldanskii, who is a Corresponding Member of the USSR Academy of Sciences and Head of the Laboratory for Nuclear and Radiation Chemistry at his Institute, has previously visited BNL in 1957 and 1963.

The colloquium will take place at 4 p.m. in Berkner Hall, preceded by refreshments at 3:30 p.m.



Leonard A. Baker, BNL Safety Officer, discusses the interim version of the LIDAR Guide, pointing out potential hazards to users and noting special safety precautions.

## Do You Have Your H.S. Diploma?

Preparation courses leading to a New York State High School Equivalency Diploma were offered last year to BNL employees.

These courses were held on site two nights a week between the hours of 5:30 and 7:30 p.m., and were continued for 20 weeks. Guy Mastrion and Donald Crosby, recruited from the teaching staff of Longwood High School, taught subjects which included English, history, mathematics and science.

There is a possibility that if there is sufficient interest in repeating the program this summer, courses will once again be offered to employees. These courses are offered at no charge to the employees.

Those who would like to participate are urged to call Miss Mann in the Personnel Office, Ext. 2513, and leave their names.

## LIDAR Scientists Eye Dust In Sky

The Second Conference on LIDAR Probing of the Atmosphere was held at BNL last Tuesday and Wednesday.

Often referred to as Laser Radar, LIDAR operates on much the same principle as microwave radar. Generally, a Q-switched solid-state laser is used, which when energized, is fired, directing a short, intense pulse of light into the atmosphere. A fraction of the emitted radiation is diverted to a photodiode which provides a signal to trigger the sweep of an oscilloscope recorder. As the transmitted pulse propagates through the atmosphere, light is backscattered by particles in the path of the beam and a portion of the backscattered energy is returned to a telescope receiver aligned parallel to the laser.

Light collected by the telescope is focused onto a photomultiplier detector. This response is displayed on an oscilloscope. A permanent record of the response is obtained by photographing the oscilloscope trace.

This is the principle that was under discussion at the Conference. LIDAR as related to research on stratospheric dust layers, twilight, pollution measurements in the lower atmosphere, and means to measure atmospheric particles was studied.

Leonard Baker (BNL Safety Office) went over a safety report on the use of LIDAR systems. Eye, skin, fire and non-radiation hazards were covered and user precautions were noted in detail.



Arnold Schroeder, BNL Meteorology, (left) discusses a slide with Projectionist Walter Johnig of Meteorology (right).

Dr. John A. Cooney, of the National Center for Atmospheric Research in Boulder, Colorado, went over a standardization report which is an effort to standardize LIDAR systems throughout the world so some cooperative studies can be made on such things as dust from volcanoes, earthquakes, or large explosions.

Dr. Sherman K. Poultney of the University of Maryland described laser tests which took place while Surveyor VII was taking pictures of the earth.

Dr. Michael Pearlman of the Smithsonian Astrophysical Observatory reported on three large satellite tracking stations located in Greece, Africa and the U.S. which are being modified for LIDAR use.

In his presentation at the Tuesday evening conference dinner, Dr. Maurice Goldhaber, Director of BNL, brought out the importance of new areas of research, such as LIDAR, and the continuation of fundamental research in these days of restricted budgets. He is especially concerned with the young scientists now emerging from educational institutions into research organizations.

Before the close of the conference, plans were proposed for a global cooperative LIDAR study for next October on the detection of stratospheric dust layers.

## Go BNL - All The Way

The Baja Marimba Band and The Brothers Four will perform in the Theatre on May 3, at 8:30 p.m.

Why not have dinner at the Center before you go to the BERA Special? Dinner will be served at the Center from 5:00 until 8:00 p.m. The menu will include London Broil, Baked Ham, and Steak entrees. There will be a selection of appetizers and desserts. Prices from \$1.85.

Make your reservations now. Call Ext. 2453.

**Pegram Lecture Series Pictures**



Before the start of the Pegram Lectures honored guests peruse the program. Left to right are: Dr. Franklin A. Long, Chairman of AUI; Dr. Maurice Goldhaber, Director of BNL; Professor Roger Revelle, Pegram Lecturer; Theodore P. Wright, AUI Consultant; Mrs. Maurice Goldhaber; Orrin P. Dwyer, Chairman of Lecture Committee; and Mrs. Dwyer. —Humphrey



Dr. R.C. Anderson (left) chats with Mr. and Mrs. Thomas Nelson during reception.



Professor Revelle at reception.



Dr. George Woodwell (right) and Professor Revelle discuss common interests.



Professor Revelle and Dr. Long during question period at end of lecture.



Mrs. Maurice Goldhaber and Theodore Wright with Professor Revelle.

**Hospitality News**

The next regular Hospitality Committee coffee meeting will be held on Monday, April 28, from 10 a.m. until noon in Apartment 6-C. Bring the children - everyone is welcome.

Don't forget to register your teenage children to exhibit art at the Tea and Sherry Party on May 7. Entries including name, age, grade, home address and telephone number, the name of the Lab employee to whom they are related, and a brief description of the work to be exhibited should be sent to E. Hammond, Bldg. 185.

**Here and There**

Dolores del Castillo

Leonard A. Baker (Safety Office) was Chairman of the "Laboratory Safety Session" at the N.Y. City Safety Convention on April 16. Papers presented during this session covered Ionizing Radiation, Lasers, and Microwave Hazards.

A paper entitled "Concentration Fluctuations in Liquid Binary Alloys Exhibiting a Miscibility Gap" written by Peter D. Adams (DAS) was presented at the International Conference on the Physics of Liquids, Norwich, England, on April 16, 1969.

Harry Munkelwitz (DAS) presented a paper, entitled "An Apparatus for Measuring the Diffusion of Impurities in Solids", at the American Chemical Society meeting held in Minneapolis, April 13-18.

Sanford Lacks (Biology) recently presented a seminar at the Duke University Medical Center, Durham, North Carolina, on "Genetic regulation of maltosaccharide utilization in Pneumococcus."

Joel S. O'Connor (Biology) recently presented a seminar on "Mathematical models of aquatic ecosystems" at Adelphi University, Garden City.

Elliott N. Shaw (Biology) has accepted the invitation to serve on the Editorial Board of Archives of Biochemistry and Biophysics.

Dr. E.P. Cronkite (Medical) has just returned from South Africa where he had been invited by the South African Atomic Energy Board to lecture.

Dr. Stanton Cohn (Medical) has returned from England and Scotland where he held discussions on neutron activation, strontium and calcium kinetic studies. He presented a paper at a meeting on Progress and Problems In Vivo Activation Analysis.

Frederick P. Cowan (Health Physics) attended meetings of the International Commission on Radiological Protection at Oxford, England, April 10-18, 1969.

John Frizzola (Meteorology) presented a paper on the rise of buoyant plumes emitted from tall stacks before the 31st Annual Meeting of the American Power Conference in Chicago recently.

Augustus Prince (DAS) was a colloquium speaker at the University of Dayton, Physics Department. His talk was entitled "Nuclear Properties of Californium-252."

Manny Hillman (DAS) presented an invited seminar at the Virginia Polytechnic Institute, Blacksburg, Virginia, April 23, 1969. The seminar was entitled "Shell-model combinatorial calculations of nuclear level densities."

C.H.W. Hirs (Biology) has been appointed by the Indiana University Board of Trustees to be director of the IU Division of Biological Sciences, effective in September.

Every year since 1952, the last full week of April has been set aside for the observance of Secretaries Week, calling attention to the pivotal personality without whom an office would be reduced to mass confusion. The purpose of Secretaries Week is to bring recognition to secretaries for the vital role they play in business.

The secretary must have a diplomat's tact, a mule's endurance, a chameleon's effacement, a salesman's enthusiasm, the sun's punctuality, the speed of light, a sister's loyalty, a rhino's hide, an Einsteinian brain, a mother's sympathy, and the patience of Job.

She must be a purchasing agent, a cover-up agent, button sewer-on, cryptographer, interpreter, spy, accountant.

She's really quite a gal! No mere machine will ever replace her.

**Fifty Seats Left**

BERA's Special Event is heading rapidly for the "sold out" classification. As of today, there are only fifty seats left for the May 3 performance of the Baja Marimba Band and The Brothers Four. Employees may still purchase tickets for themselves and their family for only \$4.50 each. Tickets for your guests and neighbors are \$6.00.

Tickets can be purchased during the day at the Recreation Office, and at lunch time at the Box Office in the Cafeteria. A call to Extension 2808 will reserve tickets for you until you can pick them up.

**BROOKHAVEN BULLETIN**

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NORBERT J. DERNBACH  
Public Relations Officer

**Letters To The Editor**

Dear Sir:

My daughter and I wish to express our gratitude to the many members of the staff of Brookhaven National Laboratory for their kindness and expressions of sympathy after the death of my husband, Walter Willrich.

Margaret Willrich Nancy Willrich

Dear Sir:

Both as a former editor of several institutional publications and as a not so gentle reader, I'd like to express my warm professional admiration for and personal appreciation of the Brookhaven Bulletin.

It is expertly edited, tersely written, strikingly illustrated. In short, it is newsy and not stuffy.

The latest two issues have impressed me as particularly well done.

All best wishes.  
Bill Howland  
Pavilion No. 4

**Arrivals & Departures**

**Arrivals**

George R. Eleazer.....App. Math.  
Patricia A. Moll.....Physics  
Edwin I. Oakes.....Pl. Eng. & Plan.  
Eulyne D. Sealey.....Fiscal  
David A. Stilwagen.....Physics

**Departures**

Eugene J. Czelada Jr.....Ph. & Gr. Arts  
Dolores Ann Skokna.....Pl. Eng. & Plan.

**Time For A Change**



Sunday morning at 2 a.m. or thereabouts, is when clocks are set ahead for the start of Daylight Savings Time. The hour that is lost will be recovered again the last Sunday in October when Eastern Standard Time is renewed. Barbara Strom is also reminding you that curtain time for the musical comedy, Gypsy, which opens on May 16, is 8:30 p.m. (Daylight Savings Time, of course.) —Rosen

**AEC Bio-Med Visitors**



Dr. Eugene Cronkite, Chairman of the Medical Department (standing) briefed Program Directors of the Bio-Med Division of the AEC on their recent visit to the Medical Research Center.

—Walton

## BNL Bowls Over Stromberg-Carlson

### Takes Third Place in NIRA Regional Bowling Tournament Sponsored By Kodak At Rochester

Our Electrons Mens' Team arrived at their motel in Rochester in plenty of time to unpack, have dinner, find Kodak Park Lanes and bowl a few practice games to get in shape for the next day's match.

Our Fizzles Ladies' Team arrived at the motel in style, accompanied by the local police. It seems their car fizzled and they needed assistance to repair a flat tire. The gals liked the company so much they locked their keys in the trunk and had to be rescued again. Eventually, they settled down, had dinner and rested for the morrow.

The Electrons, in the first match of the National Industrial Recreation Association Tournament, were pitted against a high averaged five from Stromberg-Carlson. Stan MacCormack with a 199 led his mates in a 3-game sweep of the match. Arnold Schroeder had high games of 171 and 178, Werner Hayes chipped in with a 181, Paul Levy's high was 176 and anchor-man Charlie Tomesch came through with games of 192, 179 and 167. At this point our bowlers led the tourney, whose winner was to be decided on a 3-game high team gross series. The Electrons scored 2883.

Our ladies started their match with Corning Glass with a victory, lost a close second game and the match by only 60 pins despite Helen Caisey's 186-149-157 and Pat Oster's 177. The gals final score was 2668 which on the first day was good enough for third place.

However, several companies were scheduled to roll the next day. The men's score held up for a third place finish. Unfortunately, the girls did not place. At this writing the Electrons are awaiting their award which will be a small cash prize and perhaps a trophy. The official prize list has not been completed.

Out of a field that included entries from Corning, Welch, Xerox, Motorola, Bendix, Bauch and Lomb, Stromberg-Carlson, Carrier, Rochester Gas, Kodak, etc., only Xerox's 2942 and Bendix's 2883 topped the men.

## Bowling News

Irma Carl

### Purple League

S & M and Designers finished the second half tied for first place. If the Designers win the second half roll-off they will meet the first half winners (S & M) once more for the league championship, and the winner will represent us for the Lab championship. Mike Iarocci had a 510 series, Joe Cuccia a 505 and Joe Rolfes a 201-498 series.

### Red League

The Sandbaggers and Sparks had their rolloff and seems like the Sandbaggers took all seven, putting the Sparks into third place. Now the Sandbaggers and Fabricators have to roll off to determine who'll enter the Big Roll-off. E. Meier rolled a 221, J. Baer 212, P. Klotz 211, F. Abbatello 203 and R. Meier 201.

### Green League

Due to some make-up nights, results of standings for the Green League are not available for this issue.

### Pink League

Beverly Nine converted the 4-7-10 split and, with the rest of the Bookies, rolled well over average on position night. Also in this category were: Betty Jellett, Helen Kelly (178-489), Marie Brenner (177) and Pat Oster (161). Doris Pion created a stir by converting the 6-7-8-10 split. There will be a roll-off to determine the second place winning team between the Hopefuls and the Bookies. Now that the bowling season is just about over, we all deserve a well-earned rest (either that, or take some bowling lessons)!!!

Don't forget Awards Night - May 9.

## Folk Concert

A folk concert by Doc Watson and his son will be presented on April 26th at 8:00 p.m. in the James Wilson Young High School on Snedecor Avenue in Bayport.

## Stars of Gypsy Polish Their Parts



Herbie (Charlie Meinhold) and Mama Rose (Pat Towey) are in several tender scenes of Gypsy, now in rehearsal at the BNL Theatre.

## Gypsy Stars Are Seasoned Performers

The lead parts in Gypsy, played by Pat Towey and Charlie Meinhold, are in competent hands. Both of these performers have been associated with the BERA Theatre Group for many years, and both have had previous acting experience.

Pat Towey has been a long-time favorite of BNL audiences, having played leading roles in Blythe Spirit, A Thurber Carnival, Separate Tables, Threepenny Opera, and Hotel Paradiso. Pat also appeared in Showstoppers for the past three years. She

is an executive secretary in the Physics Department.

Charlie Meinhold, currently President of the Theatre Group, was last seen on the stage in Heartbreak House. He has performed many behind-the-scenes chores in most of the Theatre Group presentations, and was the producer of Facade. Charlie is president of the South Haven Board of Education, and is an Associate Health Physicist with the Instrumentation and Health Physics Department.

## Softball

Tom Lee

The Executive Committee of the Softball League held a meeting last week and the leagues were set up as follows:

### Brookhaven League -

Blue Jays, Batmen, Dirty Sox, Makeups, Old Timers.

### National League\* -

Rat Pack, AMD, Metallurgy, Potserebies, S&M, Bubble Boys, Phoubars, Six Pax.

### Laboratory League -

Deadwoods, Charlie Browns, Converts, Mets, Chemistry, Bio-Meds.

\*In the National League, a first and second place trophy will be awarded as it has eight teams.

### Picks for the Coming Season -

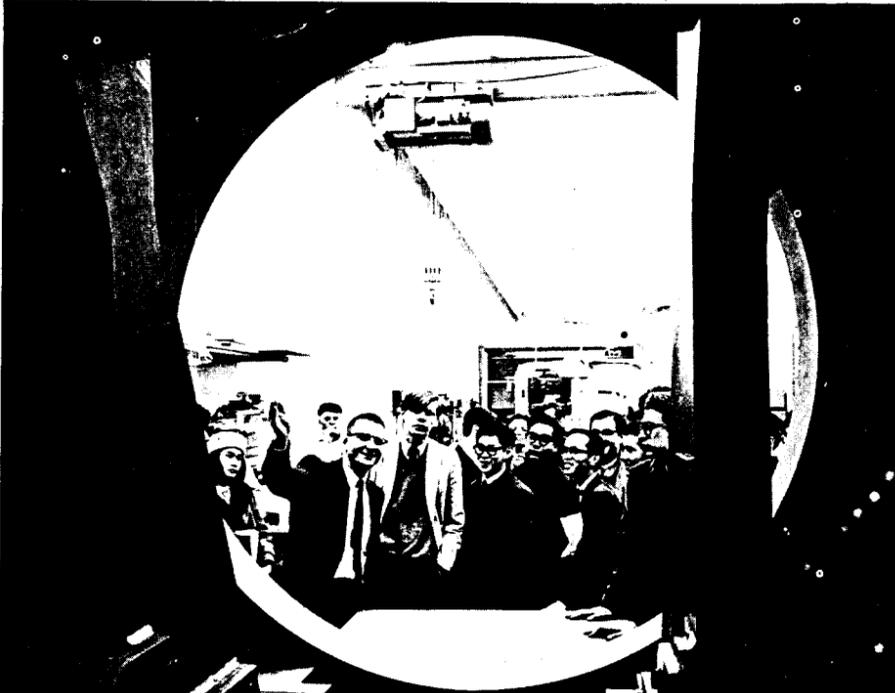
**Brookhaven League** - Blue Jays, if they haven't grown too old. Batmen will push hard as the rest of the League will. Makeups outside chance.

**National League** - Metallurgy with a big rush by AMD and S&M. Rat Pack will field a team.

**Laboratory League** - Deadwoods followed by Converts. Two unknowns and the Charlie Browns (again).

The Night They Raided BNL?  
May 16, 17, 23, and 24

## A Ring Size View



On April 2, the American Nuclear Society Student Affiliate Group of New York University toured the Laboratory. After viewing the "Brookhaven Spectrum" and having an introduction to the Brookhaven program by Daniel Schaeffer, the students went on tour to the BGRR, the AGS, the HIRD, and the Tandem Van de Graaff. Here, photographer Doug Humphrey catches Dan Larson of BNL's Physics Department explaining the operation of the Tandem Van de Graaff to the students.

## BNL Round Robin Pistol Tournament

The BNL Rifle & Pistol Club, together with the Laboratory Police Department jointly sponsored the first match of the monthly-scheduled Annual Round Robin Pistol Tournament on Saturday, April 12, 1969 and a good turn-out of participants made the opening match a pleasant and competitive day for all.

Award-winning participants in the .38 cal. individual competition were: M. Hughes, Physics, 1st place, Class A, with a score of 293; J. Barry, PEP, 1st place, Class B, with a score of 282; W. Fleischer, PEP, Class C, with a score of 237.

In the .38 cal. two-man team event, the winners were: M. Hughes, Physics and J. Mazzeo, Physics, with a team total of 582.

In the .22 cal. individual competition, the winners were: J. Barry, PEP, 1st place, Class A, with a score of 254; P. Buhl, I & HP, 1st place, Class B, with a score of 227.

The Lucky Shoot winner was F. Rumph, Physics.

The next Round Robin match is scheduled for May 17th, 1969, starting at 10 a.m. at the police pistol range. Competition is open to all members of the BNL Rifle & Pistol Club and members of the Laboratory Police Department. Any other laboratory personnel interested in pistol shooting are invited to join the Rifle & Pistol Club. Those interested should contact J. Gatz, Extension 7232.

It is pointed out to those reluctant shooters that a competitor is not required to compete in every match of the Round Robin to qualify for awards. Each and every match has its own individual and team award winners regardless of the number of monthly matches a person participates in, and depending upon his monthly scores, the better are his chances for the Round Robin total high score awards.

## Personnel Services

### At the Recreation Office

Open Daily 9:00 a.m. to 1:00 p.m.

**Theatre Tickets** - Theatre tickets to certain shows may be purchased at a 20% discount. Schedules and prices are posted in the Office. All orders must be placed in person and accompanied by a check or money order (no cash will be accepted).

### Westbury Music Fair -

April 28 - May 11 - "The Don Rickles Show." Some performances and prices sold out.

May 13-18 - "The Totie Fields Show." Completely sold out.

May 20-25 - "The Jerry Vale Show." Some performances and prices sold out.

June 2-15 - "The Alan King Show." Some performances and prices sold out.

July 8-20 - "The Buddy Hackett Show." Some performances and prices sold out.

**Mineola Theatre** - Closed until further notice.

**Discount Exchange Coupons** - may be picked at the Recreation Office for the Broadway show "The Gingham Dog" - now through May 3; the Wedgewood Dinner Theatre - now through April 30; Guided Tours through Madison Square Garden; Ice Follies of 1969 (with Guest Star Peggy Fleming) at Madison Square Garden for evening performances on May 22, 25, 26, 27 and 29 and matinee performance on May 25.

**Schedules for Pickup** - 1969 New York Mets and Madison Square Garden Monthly Coming Events.

**Athletic Game Equipment On Sale** - Little league baseballs, softballs, badminton sets, tennis rackets, tennis balls, shuttlecocks, table tennis paddles, athletic socks, BNL T-shirts, playing cards, combination locks, and handy information booklets on table tennis, baseball, diving, badminton, skin diving, judo, life saving, volleyball, archery and bowling.

The Recreation Office subscribes to several periodicals covering various phases of the entertainment field. Cue, Opera News, Long Island Entertainer, Long Island Daily Review, and Stubs Magazine (which includes seating plans of most New York City theatres) are among those available for information and perusal at the Office on 3 Center Street.

None of the above listed periodicals or publications may be loaned out by the Recreation Office; however, they are all available for reading and reference at any time the Office is open.

## Slo-Break Awards

The last two Slo-Break Basketball Games of the season will be played tonight. At 5:30 the Highballs and Medical Teams will decide the University League title. At 7:00 the Knacks will meet an All-Star Team composed of three members of each of the other four teams in the Associated League. This game should be over in time for those desiring to attend the Pegrarn Lecture.

The Basketball League will provide a keg of beer, and Ed Taylor will be on hand with hot dogs and additional beer if we run out.

We hope that as many Basketball League members as possible will attend these games, so please pass the word to your team.

Trophies will be presented to the winners between the two games.

## Rifle-Pistol Meeting

There will be a meeting of the BNL Rifle and Pistol Club at the Recreation Building on May 2, 1969. The meeting will start at 8 p.m.

## Classified Advertisements

### Autos & Auto Supplies

60 BUICK - 2 dr, ps/pb, good running, good rubber. \$225. EM3-6795.

66 CORVAIR - 2 dr hdtp, auto trans, like new cond, radio, new tires, etc. JU8-3779 after 6.

62 RAMBLER CLASSIC - 4 dr, auto trans, 35,000 mi, orig owner, good, clean cond. Best offer over \$300. Bill, Ext. 2392.

58 DODGE - Auto parts. Abate, Ext. 7504, 281-4528 after 6.

67 VW - White/blk int, snows, r/h, seat belts. \$850. 281-4528 eves.

66 BSA LIGHTNING ROCKET MOTORCYCLE - 650 cc, dual carbs, candy apple red, 2 helmets, immaculate, 7000 orig mi. \$850. 281-5289, 12-5 pm.

66 SEARS MOTORCYCLE - 50 cc, orig owner, only 600 mi, new saddle bags & windshield. \$175 firm. Ext. 7668.

TIRES - 5.20X14, 4 ea; 5.60X14, 2 ea; all good tread. \$30 for the lot. Maddock, 289-8253.

53 CHEVY - 2 dr sedan, good tires, new front end. Maddock, 289-8253.

62 OLDS F-85 - 4 dr, auto trans, new battery, 58,000 mi, real good cond, good tires. \$275. RA8-4264.

2 TIRES - 8.20X15, tubelless, on Cadillac rims, w/w. \$15/pr. J. Ryan, Ext. 560.

64 CHEVY IMPALA - 4 dr hdtp, V8, auto trans, dk blue, good cond. Asking \$1050. Russell, 588-7309.

TRAILER HITCH - 2" ball, for '64 Chevy. \$8. Ext. 2268, GR5-7326 after 5.

65 PONTIAC VENTURA - 2 dr hdtp, turquoise, auto trans, V8, ps/pb, pwr windows, low mileage, excel cond. \$1050 firm. 281-5289.

66 BUICK SPECIAL DELUXE - 4 dr sedan, blue, std trans, r/h, clock, low mileage, excel cond. \$1395. Ext. 7487, 281-8676 after 6.

64 BUICK SPECIAL DELUXE - V6, auto trans, excel mech cond. \$500. R. Hoyte, Ext. 7266.

63 FORD GALAXIE 500XL - R/h, rebuilt eng & auto trans, blue/blk vinyl top, excel cond. \$695. Mike, Ext. 7415, AT6-8468.

62-1 TON CHEVY & 65-10 1/2 CAMPER - Sleeps 6, self contained, 45 gals water, gas & elec reserve, 15,000 BTU heater, will sell only as 1 unit. \$3500. W. Franke, JU8-3385.

60 FORD STATION WAGON - Squire, 9 psgr, ps/pb, V8, r/h. \$200. 744-2552.

60 BUICK LE SABRE ESTATE WAGON - Ps/pb, 9 psgr, like new. \$500. 281-6471.

66 MERCURY COMET SPORT COUPE - 6 cyl, auto trans, economical. good cond. J. Hamilton, Ext. 2138, JU1-1224 after 6.

66 MUSTANG - 6 cyl, limited slip, r/h, blue, excel gas mileage, belted tires. \$1100. Wolf, Ext. 7732.

65 IMPALA - V8, auto trans, ps, dk blue, clean, runs well. \$1150. Hank, Ext. 601, LT9-7785.

62 HARLEY DAVIDSON MOTORCYCLE - 175 cc, runs very well, new tires, 2 cycle eng. J. Hamill, Ext. 7676.

65 MUSTANG - Fdtp, 6 cyl, radio, stick, blk/blk int, rear defogger, tach, console. \$875. C. Goldberg, Ext. 2503.

66 VW BUG - White, radio, extra wheels & tires. Asking \$1100. I. Meyer, Ext. 463, 929-4326.

63 CHEVY II NOVA CONV - Tan, V6, std trans, very good cond, new snow tires, new battery, avail 5/15. \$550. Ext. 7156.

65 PLYMOUTH FURY I STATION WAGON - Auto trans, ps/pb, r/h air cond. \$1150. Ext. 2708, 744-5448.

66 WAGONEER JEEP - 4 w/d, Cutlass hubs, 4 suburban tires, excel cond. \$1950. B. Hatfield, Ext. 7208, AT6-8881.

67 SUNBEAM MINX - 4 cyl, 4 dr, auto trans, less than 10,000 mi, new cond. \$1450. Jake, Ext. 375.

CHEVY II WHEELS - 2 ea 13". Both /\$7. LT9-1342.

66 VW BUG - R/h, mounted snows, white, red int, good shape, good buy. B. Schubert, Ext. 7517, JU4-8492.

65 FALCON - 6 cyl, auto trans, 2 dr, bckts, r/h, new trans, new snows, body needs work. \$400. 924-6666 eves.

68 BUICK GRAND SPORT 400 CONV - Ps/pb, console, automatic, bckts, low mileage. \$2650. Grace, MA3-0135.

66 VW - White sedan, radio, snows, reversing light, orig owner. \$1050. 724-8906 after 6.

62 MORRIS MINI MINOR - Sm outside, big inside. F. Merkert, Ext. 7639, 732-3003.

61 CORVETTE - 365 hp, new '65 motor, posi, new clutch, power train (excluding motor) recently overhauled, well maintained, good cond. Ext. 7551.

59 OLDS 88 - 2 dr hdtp, auto trans, ps, r/h. \$100. H. Rhodus, Ext. 2382, 924-3522.

64 PONTIAC CATALINA - 4 dr sedan, V8, auto trans, ps/pb, completely rebuilt motor & trans, 2 new tires, h/d shocks. \$950. Rich, YA4-3298.

63 GALAXIE 500XL CONV - Ps/pb, auto trans, am/fm, good tires & mounted snows, excel cond. 751-3888.

67 GMC 3/4 TON SUPER CUSTOM CAMPER PICKUP - 4 w/d, dual batteries, floatation tires, bckts, etc. C. Klamut, Ext. 549, AT6-8794.

63 COMET CONV - Auto trans, needs body & eng work. Make offer. Bel., AT9-1647.

65 TRIUMPH SPITFIRE - BRG, r/h, new w/w tires & conv top, excel cond in & out. \$850. D. Kazmark, Ext. 2549, AT9-0265.

67 RAMBLER REBEL - 2 dr sedan, 6 cyl, auto trans, r/h, other extras, 22,000 orig mi, excel cond, still under 5 yr new car guarantee. \$1275. 732-5829.

56 MERCURY - V8, auto trans, green, 4 dr, good trans. \$100 or best offer. Jeanne, Ext. 2403.

68 PONTIAC LEMANS CONV - Auto trans, stereo tape, Econo V8 eng, ps/pb, turquoise/white top, must sacrifice. AT9-1271 after 6.

4 MICHELIN TIRES - 5.60X15. \$5 ea. Ext. 2816, GR5-8426.

### Boats & Marine Supplies

7 1/2 HP EVINRUDE MOTOR & STAND - 2 gas tanks (3 & 5 gal), 4 cushions. Asking \$50. Frank, Ext. 2331.

16' LAPSTRAKE RUNABOUT - Outboard converted from inboard, old, needs work. Asking \$50. Jim, Ext. 668, 751-0023.

STURDY 32' CABIN BOAT - Head, 115 hp Chrysler Crown, good cond, must sell. \$1000. Ext. 379, LT9-3269.

16' BOAT - W/30 hp Johnson motor & trailer, many extras, good cond. \$225. 732-4031.

BLUE JAY SAILBOAT - Needs some refinishing. \$425 or best offer. LT9-1342.

16' CANOE - Old Town, fiberglass, 2 yrs old, 3 paddles, 2 sets dbl paddles, motor bracket, removable thwart, excel cond. Ext. 7172, 751-1660.

"GRAND BANKS" DORY - 17', 2 yrs old, oars & anchor, ready to launch, excel cond. \$350. Ext. 7460, EM3-6290.

MICHIGAN PROP - #48-22575A2, 10X10, 3 blade alum 11 spline fits Mercury outboard #58, 58A, 400, 500, 50, 55, 35A, 300, 350. Pete, Ext. 447.

17' PENN YAN - 40 hp Evinrude selectric shift, h.d. Teenee trailer, navy top & trailer plus acces. Ext. 369.

18' CUSTOM BUILT BOAT - 50 hp Evinrude, dealer maintained, summer & winter covers, many extras. \$750 firm. 732-2118.

20' CABIN CRUISER - Good family boat, see the National Sea Shore, fish, have fun, low maintenance. Petruk, Ext. 2142.

STARCRAFT 12' ALUM BOAT - Fisherman, Evinrude motor, oars. As is, \$275. N. Kropp, Ext. 2465.

26' CHRIS CRAFT - 95 hp, sleeps 4, full canvas. Asking \$1350. Ext. 7228, AT9-1873.

SCHOCK 22 - 22' MORC, w/trailer, fiberglass, fully equipped for racing/cruising. Craig, Ext. 7396.

18 HP JOHNSON 1962 - Excel cond. \$145. R. Albert, Ext. 7525, 7686.

18' FIBERGLASS SKIFF - 75 hp Johnson motor, Cox trailer, good cond. P. Miller, HR2-1416.

8 1/2' SKIMMER - W/controls & wheel, 2 yrs old. P. Miller, HR2-1416.

26' CHARACTER SLOOP - Shoal draft, 9.5 hp, fiberglassed bottom, topsides, deck & cabin, cruise 4, 5 yrs old. Ext. 663, LT9-0644.

### Miscellaneous

BABY ITEMS - Table & 2 chairs, \$8; crib mattress, \$4; baby gate, \$1; sterilizer w/bottle. 281-8676.

AQUARIUM - 50 gals (36"X18"X18"), w/stand & full fluorescent hood, stand & hood never used. Asking \$50. Ext. 7637.

BICYCLE - English Racer (Armstrong), \$10; 1 corner table, 30"X30", 1 coffee table 24"X48" mahog, \$30. Frank, Ext. 2231.

SIAMESE KITTENS - Seals & Blues, males & females, CFA reg, in time for Mother's Day. Whitey, Ext. 2179.

FORMICA BEAUTY EQUIPMENT - Excel cond, 3 comb out sections, 2 wash sections, 4 dryers. \$600 for all. 281-5053 after 5.

NEW MOBILE HOME - 12'X60', carpeted skirts & steps incl. Ext. 2182, 924-5193 after 6.

ALLSTATE CRUISARE MOTOR SCOOTER - 124 cc, red. Brunini, HR2-2175 after 6.

ENJOY A MOST SEE-WORTHY CRUISE - Fly the friendly sky of Long Island, free pilotage, plane rental shared, single, group. A. Roesch, Ext. 7667, 2413.

FRIGIDAIRE REFRIG - In good working cond. Cheap. R. Rakenius, 744-2797.

8' CAMPER - Sleeps 4, self contained, must sell. \$795. 289-4776 after 5.

NEW 8 MM MOVIE CAMERA - Kodak Hawkeye. Cheap. R. Rakenius, 744-2797.

RECREATION RM BAR - 54X42X24". Cheap. R. Rakenius, 744-2797.

TICKETS - For the Barbership Quartet & Chorus Competition to be held on Sat, May 10. Arnold, Ext. 7467, HR3-4779.

CRAFTSMAN JIG SAW - Cross buck door; yellow formica counter top. Ext. 2816, GR5-7372.

HEALTHWAY'S WET SUIT - 1 yr old, seldom used, good cond, med size. \$30. Ext. 316.

LADIES' CLOTHING & SHOES - Almost new, size 9-10 dresses & size 5 heels. Marjorie, Ext. 7733.

SURFBOARD - 9'6" "Wardy," excel cond. \$125. 878-0123, after 6.

TRUMPET-CORNET - Conn "Victor" model, professional grade, lists over \$200, looks & plays like new, w/case. \$85. Bill, Ext. 2393.

'69 AVALON TRAILER - 14', sink, 2 burner stove, ref, self-contained. Mr. Modesto, 265-0845.

POOL - 30"X10', steel frame & sides, good liner, compl w/skimmer, pump. \$35. Irene, Ext. 574 after 4.

COIN COLLECTORS - 1968 proof sets, San Fran mint. \$13. Ext. 344, AN5-7726.

MAHOG SPINET - W/bench, good cond. \$250. GR5-1545 after 6.

RHODODENDRONS - A few nice plants, 18-24", pink and white. \$4 ea. Brownie, Ext. 7382.

DOC WATSON & SON - Folk concert at Bayport High School, Sat., April 26, 8 p.m. Tickets \$2.50/\$1.25. G. Price, Ext. 439.

TELESCOPE - 6", Schmidt-Cassegrain reflector, ultra precision \$325. AN5-5740.

FIREPLACE LOGS - Seasoned oak, 18" long. 12/\$1. 924-3236.

ADMIRAL TV - Sm table model, 17", works well. \$20. Hank, Ext. 601.

THAYER PORTACRIB - W/foam mattress, 4 knit sheets, adjusts to 4 positions, good cond, best offer. B. Hughes, 281-4419.

WINDOW SCREENS - Wood, good cond, 28X47, 28 X39, 28X43. \$2 ea. Don, Ext. 2531.

FLOWER CART - Beautiful, w/lights, sacrifice. \$50 firm. 878-0026.

HOT WATER HEATER - Rheems glass lined, 30 gal, LP gas, new, still in crate. Torre, Ext. 423.

TV ANTENNA - \$5. Hank, Ext. 2566.

HOOVER VACUUM CLEANER - All attachments, recent model. \$35. Hank, Ext. 2566.

SURFBOARD - Velzy 8', practically new. \$65. Hank, Ext. 2566.

COSTUME JEWELRY - Lg, assorted supply, key chains, earrings, bracelets, necklaces, etc. \$60. R. Seneff, Ext. 7112, AT9-0664.

WILL GIVE FIVE SILVER QUARTERS - For 2 Franklin halves 1958 & older, or '64 Kennedys plain. A. Roesch 7667, 2413.

WILSON STEEL TENNIS RACKET - 4 3/8" grip, med wgt, w/Imperial Gut. Costs \$50, sell \$30. 929-4487.

LOT - Southampton, 140X200 panoramic view of golf course, high elevation in developed area, prime residential. \$7500. 473-0178 eves.

MAYTAG AUTO WASHER - Ancient & decrepit but working, yours if you'll take it away. Culwick, 744-5892.

### Houses

Housing advertised for sale or rent is available without regard for the race, creed, color or national origin of the applicant.

CENTER MORICHES - 2 bedrms, basement, 2 car garage, hw oil heat, s/s, 150'X150' wooded plot, near water. \$16,000. W. Jahnig, Ext. 456, 286-0198 after 5.

SHIRLEY - Split ranch, 3 or 4 bedrms, 2 baths, w/w carpet, breakfast bar in kitchen, garage, basement, etc. \$17,300. 281-4528 eves.

SHOREHAM - 1 1/2 yr old, 7 rm ranch, 3 bedrms, din rm, fam rm, 2 baths, full basement, .5 acre, extras, 6% mort. \$25,000. 744-3764.

SHIRLEY - 2 mi South of Lab, 3 bedrms, lg kitchen & bath, much closet space, full basement, 50'X217' +. Hodge, 281-6063.

MASTIC PARK - Bedrm, liv rm, kitchen, din area, full cellar, bath, treed 1/2 acre, cyclone fencing, partly furn, quick sale. \$13,500. 281-8740 after 6.

SOUTHAVEN - 4 bedrm cape cod, 2 baths, din rm, full basement, att garage. \$26,500. 286-3649.

WADING RIVER - 4 bedrms, 1 1/2 baths, lg eat in kitchen, fam rm, 2 car garage, storage, terraced yard & patios. 929-4472.

### For Rent

FURN 3 BEDRM HOUSE - July & Aug, S. Huntington, all conveniences. HA7-3741.

FURN HOUSE - In quiet area, all util, 5 mi North of Riverhead, 1 mi to LI Sound. 727-1344.

3 BEDRM HOUSE - Shirley, 2 full baths, den, lg liv rm, lg kitchen/din, full basement, oil/hw heat. 281-6517 before 4 p.m.

END OF JUNE TO SEPT - Fully furn cottage in beautiful area close to Patchogue. \$130/mo. Peter, Ext. 2711.

### Wanted

MEN'S & WOMEN'S CLOTHING - In good cond, rainwear & rubbers, men's magazines, records, to be used in Psych Hosp. Dot, Ext. 7440, AT6-0247 after 5:30.

TYPING - Term papers, etc., to do at home. Claire, Ext. 2131.

MUSHROOM ANCHOR - 50-75#. Shea, Ext. 7411.

DBLE BEDS - Good cond, style not imp, cheap. Shea, Ext. 7411.

OLD ELEC TRAINS - Any make, any cond, lg or sm, Lionel, Ives, Am Flyer, etc, made before 1941. Andy, HR3-3077 days, Ext. 7642 nights.

TO RENT OR BUY - 4 bedrm house, May or June occupancy. M. Drake, Ext. 2186, after 5:30 p.m. Ext. 531.

GEESE - Any age, for 5 acre farm. Nancy, Ext. 2114, 878-0572 eves.

TO RENT - 3 or 4 bedrm house, unfurn or furn, 9/1/69 to 9/1/70. Hinckley, 286-3438.

TO RENT - 2 bedrm house in Shoreham, beginning Sept '69. F. Gonzalez, Ext. 7220.

WOMAN TO CLEAN HOUSE - In Shirley. Ext. 7504, 281-4528

HOME - Kitten left on doorstep, resident cat inside will not accept it, porch provides no love, little shelter. I. Muzinich, Ext. 7297.

ROOFTOP CARRIER - For sm car. B. Warnquist, Ext. 613, 281-3467.

HEMLINES - Some to go up and some to come down! Seamstress please call unhappy one at Ext. 2903, 475-6717 after 8 p.m.

BEACH BUGGY - Ext. 460.

BABYSITTING - Will care for working mother's child in my home, 500' off Moriches Middle Island Rd. 878-1744.

SOMEONE TO LAY CEMENT - On a sidewalk after hours. Frank, Ext. 2461, 234-4747.

HOMES - For 3 playful kittens, 6 wks old, 1 male, 2 females. B. Wilhelm, Ext. 7525.

HOMES - For 2 adorable, healthy beige tiger kittens, 6 wks. A. Carroll, Ext. 2302, 744-5093.

FLAGSTONES - For garden walk. Ext. 2983, AT6-9158.

MUSICIAN - Steady w/organized group, vibes, accordion or elec piano. 281-8087 after 6.

PIANO - Don't take your old upright to the dump. We need it for Gypsy. Please call R. Straub, Ext. 2878.

### Carpools

PAYING RIDER - Needs ride from Fairway Drive, Bellport. Diana, Ext. 2365.

INTERESTED IN JOINING OR FORMING - Carpool from Massapequa & vicinity. Ext. 2942.

INTERESTED IN FORMING OR JOINING - Carpool from S. Huntington-Melville area. M. Steinberg, Ext. 340.

### Classified Ad Policy

#### Deadline is 12 noon Friday for publication the following Thursday.

- The Brookhaven Bulletin 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: Autos & 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         | <input checked="" type="checkbox"/> Check 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.                                 |