

BULLETIN BOARD

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April 27, 1967



Ernest F. Johnson (seated left) watches as contract is signed for AUI by president T. Keith Glennan. Witnessing the signing are (left to right standing) Charles G. Yax, Maurice Goldhaber, Ernest F. Johnson, Lewis R. Burchill, Edwin Kurzius, and Charles F. Dunbar.

AUI Contract Extended Five Years

The Brookhaven Office of the United States Atomic Energy Commission announced that its contract with Associated Universities, Inc., for the operation of Brookhaven National Laboratory at Upton, Long Island, New York, has been extended for five years, from July 1, 1967 to June 30, 1972.

The Laboratory employs over 3400 persons. About 1000 of these are full-time scientists and professional personnel engaged in research relating to the physical sciences, biology and medicine, reactor development, and the applications of high-level radiation sources for industrial proc-

esses. AEC expenditures for the cost of the current fiscal year operation are \$48 million with construction costs for additional facilities estimated at \$10 million.

Associated Universities, Inc. has had the contract for the operation of BNL since 1947, when the Lab was founded. It serves as an agency through which universities and other institutions can cooperate with one another and with the Government to advance research and education.

The nine universities sponsoring AUI are Columbia, Cornell, Harvard, Johns Hopkins, Massachusetts Institute of Technology, Princeton, University of Pennsylvania, University of Rochester, and Yale.

is located at the Kings Point Merchant Marine Academy.

The Center was established to give career executives of the Federal Government a broader understanding of administrative processes, national objectives, and government operations, and to impart new insights about the relationship between specific specialties and larger national purposes. This group of executives is attending a two-week seminar on "Effects of Technological Development," one of ten seminars offered.

E.L. Van Horn, Manager of the Brookhaven Office, spoke to the group on "Federal Research & Development in Action," which was followed by a tour, conducted by members of the BNL Staff, of the High Flux Beam Reactor, AGS, and the Exhibit Hall.

Lab Couple Donates Land

Brookhaven Memorial Hospital received this week the deed to a parcel of land adjoining the hospital and needed for running utility lines.

The property was donated by Mr. and Mrs. Lowell McLean, who live next to the hospital. Mr. McLean is on the staff of the Accelerator Department and Mrs. McLean works in Photography. In making the donation Mr. McLean said "We make this contribution to our community hospital in the hope it will inspire others to their noblest purpose, service to mankind."

Cosmotron Injector Being Converted For Biomedical Research

A joint research program to study the mechanisms of radiation effects on body (somatic) and reproductive (genetic) cell populations in animals and plants is being undertaken by the Medical Department of BNL and the Radiological Research Laboratory of Columbia University.

The program calls for using the Van de Graaff accelerator formerly used as the proton injector for BNL's Cosmotron, which was retired from service in December, 1966. The Van de Graaff accelerator will be converted at the Cosmotron building from a pulsed to a continuous operation and used primarily for the production of fast monoenergetic neutrons of energies ranging from a fraction of one million electron volts to above 15 MeV.

Earlier studies on other accelerators established the need for a machine devoted solely to biomedical research. It is expected that groups from other research institutions will use the accelerator, as well as the Biology Department and the Health Physics Division.

The main objective is to develop and evaluate information about radiobiologic action on selected cellular systems. Also, physical experimentation will include development of new approaches to the precise measurement of the dose and the quality of the radiation. Radiation quality is described generally by the term LET (linear energy transfer), and more precisely by the distributions of local energy density within known volumes. The monoenergetic neutrons will also be used to experimentally determine the distribution of absorbed radiation in larger mammals, including man, using phantoms constructed for the purpose. Measurements of this type are now possible using techniques developed at Columbia's Radiological Research Laboratory. The techniques call for small ionization chambers utilizing internal gas multiplication.

Principal investigators, who will also provide supervision of the research program, are Dr. Harald H. Rossi of Columbia and Dr. Victor P. Bond of BNL.

Other investigators include: at BNL, Dr. James S. Robertson, Dr. Charles V. Robertson, Dr. Charles V. Robinson, Dr. John L. Bateman, Dr. Arland L. Carsten, and Dr. George M. Tisljar.

At Columbia's Radiological Research Laboratory: Dr. William Gross, Dr. Ruth Hill, Dr. Bruce Biavati and Mr. Leon Goodman.

Dr. Clarence Turner of the Accelerator Department will be responsible for the conversion of the accelerator.

The conversion is expected to be completed in late summer and the first beam produced in the Fall of 1967. An allocation of \$230,000 for the initial conversion has been received.

Lecture to Describe Iranian Migrant Tribe

Charles F. Dunbar, Jr., member of the U.S. Consular staff in Isfshan, Iran, will present an illustrated lecture titled "A Week With an Iranian Tribe," on May 5 at 3:30 p.m. in the Physics Seminar Room at 20 Pennsylvania St.

Cronkite Named New Chairman of Med Department

Effective June 1, Dr. Eugene P. Cronkite has been appointed Chairman of the Medical Department, it was announced by Maurice Goldhaber, Lab Director. Dr. Cronkite succeeds Dr. Victor P. Bond who was recently appointed Associate Director.

Dr. Cronkite received his M.D. degree from Stanford University in 1941. Following service as a medical officer in the U.S. Navy during World War II, he continued on active duty as head of the Hematology Division of the Naval Medical Research Institute, Bethesda, Maryland. In 1954 he joined the staff of the Medical Department, where he has served as a senior scientist and Head of the Division of Experimental Pathology.

Dr. Cronkite's main research interests have been in the areas of radiation biology, hematology and the dynamics of cell proliferation. Carrying on laboratory and clinical investigations, he has made major contributions to the understanding, prevention and treatment of radiation illness.



His studies have led to the development of the technique of extracorporeal irradiation of the blood in which the patient's own heart pumps the blood out of an artery through a tube that encircles a radiation source inside of an adjacent lead shield and then back into a vein. This technique, developed for basic studies of blood cells, has led to the exploration of its practical application in the control of leukemia and in the transplantation of organs such as the kidney.

He is a member of several scientific societies and has served as a member of a number of National advisory committees. He continues his Navy affiliation as Captain in the U.S. Navy Reserve.

Dr. Cronkite resides in the Strong's Neck area of Setauket with his wife, Elizabeth, and daughter, Christina.

Spring Ahead Fall Back

Which way does the clock go this weekend? Does it get changed on Saturday or is it Sunday?

This year Congress has stepped into the Daylight Savings picture, and is hoping to clear up some of the doubt about some of the above questions. All states and possessions will observe daylight saving time beginning at 2 a.m. on the last Sunday of April, and ending on the last Sunday in October. Some states have exempted themselves from the law, notably Hawaii and Michigan, and also some sections of Kentucky.

The clock goes ahead this Sunday at 2 a.m. causing the loss of one hour that will be regained in October when the clocks are turned back again.



Visiting with Deputy Director Clarke Williams for informal discussions on the work at BNL is Dr. Jules Gueron, Director General of Research and Training, Euratom. Gueron (left) attended the American Power Conference in Chicago, and will also visit Argonne and Oak Ridge National Laboratories.

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1717
65

Air Pollution Study By Tracer Method To Be Started Here

Brookhaven National Laboratory, under its contract with the AEC, is currently investigating the feasibility of using stable tracer isotopes to diagnose the sources, quantities, and meteorological distribution of sulphur dioxide emitted to the atmosphere from stacks of fuel-burning plants.

Called the "Atmospheric Diagnostic Program," it was initiated as a result of mutual interest by the AEC-DID and the Bituminous Coal Research, Inc., of Pittsburgh, a research affiliate of the National Coal Association. At BNL, the program is under the direction of Bernard Manowitz, head of the Radiation Division in the Nuclear Engineering Department.

Knowledge of the meteorological distribution of sulphur dioxide would permit better informed decisions on measures necessary to abate pollution and could have a strong influence on solving the air pollution problem in metropolitan areas. The program as envisioned provides a method for tracing sulphur dioxide from various sources in municipal areas and for relating sulphur dioxide concentrations at ground levels to meteorological conditions.

In most areas having significant air pollution, sulphur dioxide is one of the major contaminants.

The proposed BNL program calls for tagging stack emitted sulphur dioxide with the stable isotopes sulphur 32 and 34. The ratio of sulphur 32 over sulphur 34 content from air samples collected at various locations around the selected emission points will be determined with mass spectrometers having an accuracy of plus or minus 0.01 percent. Samples taken and analyzed before and after tagging, under various meteorological conditions, would yield the desired dispersion information, both qualitatively and quantitatively.

The feasibility portion of the study is scheduled to be completed by mid-summer.

Cafeteria Menu

Week Ending May 5, 1967

Monday, May 1	
Minestrone	.20
Roast Sirloin of Beef au Jus	.65
Baked Chicken Coq au Vin	.65
Potted Meatballs/Rice	.60
Speed Line Sandwich Special	
Sliced to Order Baked Ham	.75
Tuesday, May 2	
Beef Noodle Soup	.20
Veal Scallopini/Mshrms & Peppers	.65
Steamed Knockwurst/Sauerkraut	.65
Cheese Ravioli/Tomato Sauce	.65
Hot Sandwich Special	
Chili Burger/French Fries	.70
Wednesday, May 3	
Cream of Celery Soup	.20
Braised Swiss Steak	.65
Turkey a la King/Rice	.65
Corn Fritters/Maple Syrup	.50
Hot Sandwich Special	
Grilled Pepper Steak/French Fries	.75
Thursday, May 4	
Chicken Rice Soup	.20
Irish Lamb Stew	.65
Salisbury Steak/Onion	.65
Pork Chow Mein/Rice & Noodle	.65
Speed Line Sandwich Special	
Hot Pastrami	.75
Friday, May 5	
Green Pea Soup	.20
Broiled Swordfish/Lemon Butter	.65
Fish Cakes & Spaghetti	.65
Spanish Omelette	.55
Baked Ham Loaf	.65
Hot Sandwich Special	
Beef Bar-B-Q on Bun/French Fries	.65

Area Chairmen of Hospitality Committee Named

- Site**
June Adams, 20 Dartmouth Rd., Shoreham, New York 11786 - 744-5448.
Judy Chanana, Apt. 28-C, BNL, Upton, N.Y. 11973 - 924-6262, Ext. 510
- Area 1, Yaphank**
Alice Desmond, Middle Island Rd., Yaphank, N.Y. 11980 - 924-6972.
- Area 1a, Shirley-Mastic**
Roberta Zucker, 70 Silver Rd., Mastic Beach, N.Y. 11951 - 281-6504.
Carol Tveekrem, 12 Abby Lane, Shirley, N.Y. 11967 - 281-5025.
- Area 2, Brookhaven-Southaven**
Mary Alburger, Box 121, Beaver Dam Rd., Brookhaven, N.Y. 11719 - AT6-0377.
Ann Church, Beaver Dam Rd., Brookhaven, N.Y. 11719 - AT6-0399.
Pat Uphoff, Old Country Rd., Southaven, N.Y. 11719 - AT6-9602.
- Area 3, Bellport**
Ylia Frazer, 44 Bieselin Rd., Bellport, N.Y. 11713 - AT6-0851.
Natalie Paige, Bellport Lane, Bellport, N.Y. 11713 - AT6-0284.
- Area 4, Patchogue**
Lillian Jellinger, 220 Jayne Ave., Patchogue, N.Y. 11772 - GR5-3755.
Jane Shotkin, 117 Jayne Ave., Patchogue, N.Y. 11772 - 289-3246.
- Area 4a, North & East Patchogue**
Marie Yax, 11 Spruce Dr., E. Patchogue, N.Y. 11774 - GR5-8202.
Lois Barton, 30 Colonial Dr., E. Patchogue, N.Y. 11774 - AT9-0886.
- Area 5, Bluepoint-Bayport-Sayville**
Perk Stoenner, 4 Hallet Court, Blue Point, N.Y. 11715 - EM3-6220.
Priscilla Knapp, 128 Blue Point Rd., Blue Point, N.Y. 11715 - EM3-6464.
- Area 6, South Shore - East of Shirley to Eastport**
Ruth Cottingham, 10 Cedar St., Center Moriches, N.Y. 11934 - 878-0926.
- Florence Gurinsky, Inwood Rd., Center Moriches, N.Y. 11934 - 878-1013.
- Area 6a, South Shore - Eastport & East**
Dot Sheehan, Box 376, Hampton Bays, N.Y. 11946 - 728-0747.
- Area 7, SouthShore & Central - West of Oakdale**
Dorothy Lasky, 57 S. Bay Ave., Brightwaters, N.Y. 11718 - MO5-7776.
- Area 8, Setauket-Old Field & Terryville**
Mollie Bond, Cedar Lane, Setauket, N.Y. 11785 - 941-9034.
- Area 8a, Belle Terre - Harbor Hills - Port Jefferson**
Jane Stehn, 8 Harbor Hills Dr., Port Jefferson, N.Y. 11777 - HR3-1168.
- Area 8b, Stony Brook - Huntington - St. James - Smithtown**
Charlotte Earle, Acorn Lane, Stony Brook, N.Y. 11790 - 715-1610.
- Area 9, Shoreham - Rocky Point**
Maria Jablonski, Walnut Dr., Shoreham, N.Y. 11786 - 744-2947.
Adelaide Flatau, 7 Dartmouth Rd., Shoreham, N.Y. 11786 - 744-9436.
- Area 9a, Wading River - Sound Beach**
Norval Dwyer, Park Rd., Wading River, N.Y. 11792 - WA9-4624.
- Area 11, Centereach - Coram - Selden - Ridge - Middle Island - Medford Sta.**
Sigrid Walther, Miller Place Rd., Middle Island, N.Y. 11953 - 924-3428.
- 1967 Chairman**
Norma Chernick, 495 S. Country Rd., E. Patchogue, N.Y. 11774 - GR5-0168.
- BNL Representative (Assistant to the Personnel Manager)**
Bea Kohler, Personnel Division 924-6262, Ext. 396/395.
- Special Members**
Phyllis Vineyard Margaret Williams
Mariette Kuper Gertrude Goldhaber
Ginnie Sayre

Last Registration Call for Defensive Driving Course

Registrations for the National Safety Council's Defensive Driving Course are being filled, and anyone still wishing to attend should call William Barnes of Security by May 1 (Ext. 2392-3).

The course, which could be titled "Traffic Survival," teaches the latest techniques of escaping accidents in today's traffic jungle. Based on over fifty years of experience and study by the largest safety agency in the country, the course has already been given to thousands of American drivers in the belief that as the modern

motorist becomes better trained and more equipped to protect himself, the high traffic toll will be lessened.

There are eight one-hour sessions, each including a film and covering different situations and hazards. The course is scheduled from 10 to 11 a.m. from Wednesday, May 3, through Friday, May 12, next to the post office in building 179. All employees, guests, and associates are welcome to register. Completion cards from the National Safety Council will be issued to those who complete the course.

25 From S&M Honored At Center Ceremony

At a recent party held at the Brookhaven Center, 25 members of the Supply and Materiel staff were honored for their long service to BNL. 16 of the 25 who have completed 20 years of service were presented awards by Frank Walsh, S&M manager. The 120 people at the party included wives and special guests.



S&M employees honored at recent 20-year event are: (left to right seated): Louis E. Dendato, Walter C. Buckes, Phillip L. Borzi, Joseph A. Perry Jr., John P. Schneider, Clarence Robbins, Kelsey Robinson, Henry M. Krauss; (left to right - center row): Benjamin Guidone, Manuel J. Pedroso, Woodrow Hobson, Stephen A. Palermo, William Sneed, Douglas P. Daniels, James Connell, Kenneth Swezey; (left to right standing): Eugene R. Fales, William J. Patanjo, Kenneth Rockwell, Frank W. Walsh, August P. Francois, Harry E. Bieselin, John Zahra.



John E. Curran was presented with the AEC's 30-year gold pin by Emery Van Horn, AEC Brookhaven Manager. Curran completed 30 years of Federal service on January 4, 1967. He began his career in 1937 when he joined the Treasury Department, where he served until entering the Army in 1942. After WW II, he re-joined Treasury until 1951 when he transferred to the AEC Security Division. In 1953 he joined the AEC staff at BNL, where he now is Security Officer.

Arrivals & Departures

Arrivals	
Gladstone W. McCormick	Plant Maint.
Vance D. VanderBurg	Physics
Departures	
David T. Clarkson	Biology
Filippo Menzinger	Physics
Deceased	
Monnie Daniels	employed in the Plant Maintenance Division since January 29, 1953, died on April 18, 1967.

Technical Notes

Meyer Steinberg, Radiation Division of Nuclear Engineering, was one of 16 scientists invited to serve on a panel for discussion of Applied Radiation Chemistry in Vienna, Austria. The Panel, which convened April 17 through April 21, was held under the sponsorship of the International Atomic Energy Agency.

Gerhart Friedlander, Chemistry Department, is giving the following talks:
April 26 - Seminar on "High-Energy Nuclear Reactions" at Chemistry Department, Clark University, Worcester, Mass.

May 9 - Seminar on "14 Years of Nuclear Chemistry at the Cosmotron" at Chemistry Department, University of Wyoming, Laramie.

May 10 - Talk on "Radioactive Clocks" to Laramie (Wyoming) Section of American Chemical Society.

May 11 - 13th William D. Harkins Memorial Lecture at University of Chicago on "Reactions of Complex Nuclei with High-Energy Protons."

Maynard E. Smith, Leader, Meteorology Group, on Wednesday, May 3, will give a seminar at MIT, Cambridge, Mass. His subject will be "Buoyant Plumes and Puffs in the Atmosphere."

A.O. Allen, Chemistry Department, will present a talk titled "Radiation Chemistry on Solid Surfaces" at the Northeast Section of the American Chemical Society on May 11, 1967 at MIT, Cambridge, Mass.

F.B. Hill, Nuclear Engineering, will go to Stockholm, Sweden, May 22 to 27 to serve as a member of the United States delegation to the spring meeting of the International Organization for Standardization-Working Group on the International Nuclear Glossary.

On Stage At The Roar of the Greasepaint . . .



Tony Nappi being made up as Cocky.

The Roar Was For Tony Nappi . . .

The Roar of the Crowd was a friendly one when the curtain rang down at the close of Act II of *The Roar of the Greasepaint, The Smell of the Crowd*.

The success of the show was due in no small measure to the effortless performance of Tony Nappi as Cocky. He handled the songs more than adequately, and was the epitome of the worm that has yet to turn in all of us. Garlands are due to Jerry Friedman for his direction of Tony and the rest of the cast in a play that could have fallen flat with the wrong emphasis.

The urchins were superb as a group, and managed all their complicated chores without tripping over each other. They even managed to look good without the benefit of glamorous clothes or chic make-up.

It will always be a source of wonder as to how David Seewald managed to weld together a group of amateur musicians into such a polished orchestra. The score was difficult, but Seewald's crew made it look easy. The set, while simple, was put together in such a way as to allow the

maximum movement without interfering with the action of the play.

Cocky's antagonist, Bob Maher, had a difficult part which he labored mightily to do justice to. The stage business that Nappi found so natural looks a bit shopworn on Maher.

Mary Giambalvo whose part as the Kid was relatively small, did a very large job on the choreography.

Dick Brown gave a fine performance as the Negro. His rich baritone voice was natural, and easy to listen to. The whole audience was with him when he played the Game and won.

Sheila Buck and Ernie Speiss each performed their parts well. Speiss had Cocky fooled, but only Cocky. Sheila was a vision in pink and the audience did not blame Sir for his action.

In the final analysis though, it was Nappi that won the Oscar. Chaplin should look to his laurels when Tony comes onstage. For a short ride to Broadway for an evening of delightful theatre, see Roar before it closes this weekend.

Nimrod Top Spot Spoiled by Sperry

The high flying BNL Rifle Club's 3-year 33 match winning streak came to an abrupt end at the hands of a somewhat startled 3rd place Grumman team in a 736-743 encounter. While still reeling from the blow, the Sperry team added the coup d'etat in the following match by defeating BNL with a score of 735-742, propelling themselves into a first place tie.

Bent barrels, bad ammo, leaded barrels and "someone stepped on my scope" excuses abounded. But in the end it was agreed that over-confidence and high living (pizza and beer) were responsible. To prove

this, the BNL riflemen buckled down and fired a record 757 in the next match against Kollman Instrument and then followed thru with wins over Republic and Reeves Instrument. In spite of this, the BNL-Sperry tie remains unbroken at 10 wins and 2 losses.

To further underscore the intensity of the battle for the league title, the Grumman, IBM and Pan American teams are now locked in a 3-way tie for second place with 9 wins and 3 losses each. BNL's season will end with two encounters against a strong Pan American team.



Mary Borruso of Medical Department, the only girl entered in the Fishing Contest.



Some of the prizes to be awarded.

Tickets for Roar etc.

Tickets are still available for the remaining two performances. However, better seats are available for the April 28th rather than April 29th performance. Tickets may be purchased at the Recreation Office from 9 until 1 and at the Cafeteria from 12 until 1. The Box Office will be open both evenings.

Brubeck Jazz Group May 6

First it was Pearl Bailey, then Louis Armstrong, and now, the BERA Special Events Committee is bringing the **Dave Brubeck Quartet** to the Laboratory for your entertainment.

This is the BERA subsidized special that is brought to you each year as an entertainment bonus. The \$3.50 per ticket does not cover the cost of the show, but makes it possible to bring you top stars each year. Tickets are still on sale at the Recreation Office, and as all seats are reserved, it is wise to choose your seats early.

Fishing Contest?

Yes - and we are having one! So far there are over 75 paid-up members, and we are accepting more. The entrance fee for the competition will be 50¢ if you join before May 1. Late comers will be accepted to July 1 at \$1.50, but no registrations will be accepted after that date. Register with one of the committee members or at the Recreation Office.

Look around the Lab and you'll see some of the prizes being offered this year. Cards of prizes which include all sorts of useful tackle and some home-made lures are on display. In addition, the annual prizes will be rods and reels. A list of the eligible fish as well as the contest rules will be published at a later date.

Thanks are due to the following for making lures which promise to make this contest one of our most successful: A. Beckwith, P. Delmonte, W. Kiselyak, R. Albert, C. Klamut, K. Jellet, J. Gallagher, and J. Cuccia.

April 29 Date Set For Bowling Team Championship Play

Final results are in for just about all leagues. Follow the line-up for the Championship play.

Black/Blue - Kingpins took it (Van Norman and Wessel team)

Rose - Pinsplitters and Nightingales will roll-off league tie on April 25.

Pink - Diamonds took the title from 2nd half winners All Toes.

Green - Gnats over the Old Timers.

Blue - Here the Floorwalkers walked off with league championship.

Red - Five Excuses won here.

Purple - Woodbutchers and Fiscal will roll-off their tie on April 24.

Bowlers make your plans now. If you would care to cheer on your league representatives in the **Championships**, the place is the Patchogue Bowling Center on **Saturday, April 29, at 2:15 p.m.** It helps to liven the afternoon if a cheering section is on hand.

Bowling Awards Night is on Saturday, May 13, 1967 at the Knights of Columbus Hall in Patchogue at 8:00 pm. Come prepared to have an enjoyable evening.

To date 120 questionnaires have been received. In order to have an interesting program next year, your comments are needed and your quick response to the form will aid the Bowling Board in its plans.

It has been a good season and we all hope that next year will be even more satisfying. To all the league champs, good luck in the run for All League Champ. To the losers (my own team included) just wait til next year - the eternal cry.

—Pat Towey

Movie Tonight

Feature - Torment

Short - Tribute to Dylan Thomas

Lecture Hall, 8 p.m. April 27

Around The Base Pads

by Bob Carciello

The chilly temperatures and gusty winds of the past few weeks haven't helped our softball players tune-up for their opening games of the 1967 season next week.

Participating in this year's action are eighteen teams, fifteen of which are seasoned ball clubs from last and past years. Applied Math, Biology, and Converts (AGS) are the three new teams who will match skills against the Potsareebies, Mets, and Charlie Brown Stars (formerly Mix-ups), in the Laboratory league.

Each league will have its own opening date. The Batmen open against the Blue Jays on field one, Six Packs (formerly Phase Outs) meet Medical on field 2, and the Old Timers vs. Metallurgy on field 3 will start the season for the Brookhaven league, Tuesday, May 2.

Wednesday, May 3, will be the opening date for the National League. The Bubble Boys will take on the Deadwoods on field 1, the Phoubars will clash with the Dirty Sox on field 2, and the Make-ups will meet the Floorwalkers on field 3.

Last but not least, the Laboratory league will begin play on Thursday, May 4. Applied Math will match skills with Biology on field 1, the Potsareebies expect to meet "Snoopy" and "The Red Baron" of the Charlie Brown Stars on field 2, and the Mets will welcome the Converts on field 3.

Take your pick or come out all three evenings and catch a bit of action on the opening dates.

Classified Advertisements

Autos and Auto Supplies

61 STUDEBAKER LARK - 4 dr, 6 cyl, auto trans, r/h, good tires, dependable transportation (still gets 18-19 mpg). \$200. J. Kelley, Ext. 2827, 878-1648.

66 VOLKSWAGEN SEDAN - Green, radio, leatherette, undercoating, always VW serviced. R. Witkover, Ext. 2113, AN6-6152.

61 RAMBLER STATION WAGON - 9 passenger, auto, r/h, burns no oil, 20 mpg, new parts, extras. Best offer. Ext. 2165.

61 CADILLAC - 4 dr, silver/gray, w/blue interior, excel cond, new tires. AT6-9260 evenings.

66 FIAT 1500 SPIDER - Conv, red w/black interior, 5 speed, excel cond, bucket seats, r/h. Ext. 2513.

62 PONTIAC CATALINA - 4 dr, auto trans, all power, excel cond, 44,000 orig mi. \$750. Ext. 539.

64 CORVAIR - Beige, 700, fold down back seat, 7 tires & wheels (balanced, 2 snows), 42,000 orig mi. AT6-0996 after 4:30.

58 HILLMAN - Running well. First offer over \$35 takes it. Gad, Ext. 386, 286-0671.

66 SAAB - All dealer service record, 2 new snows, driving lamps, clean, safe transportation. \$1200. M. Dorin, Ext. 2888.

64 OLDSMOBILE CUTLASS - Red, excel cond, 25,000 mi, V8, auto trans, console, bucket seats, fully equipped. \$1500. Dick, Ext. 7343.

63 VOLKSWAGEN SEDAN - Good cond, new tires, battery & brake linings. \$675. K. Fannin, Ext. 2937.

66 HONDA - Black, excel cond, 65cc, 4000 mi, 20 mpg. \$200. 289-3190.

64 VOLKSWAGEN MICROBUS - P. Ettari, Ext. 2407, 273-6436.

63 FIAT 1100 - 4 dr sedan, fine cond, low mileage. Asking \$500. H. Kuper, Ext. 428.

HONDA - 150cc, elec start, excel cond. \$295. David, Ext. 2913, 281-5606 after 7:30.

59 VOLKSWAGEN SEDAN - A-1 cond. Ext. 2880.

58 FIAT SPIDER - 4 speed, 4 cyl, red conv. needs work. Ext. 309.

64 VOLKSWAGEN BUS - Green, new tires, radio, 42,000 mi, good cond. Willing to bargain at \$895. J. Missimer, Ext. 2280.

60 PONTIAC ENGINE - Short block 389, 3000 mi, \$20; old Sun machine w/generator & starter test equip, \$50; floor stand rivet machine, \$15; Bear headlight tester, \$10. Ext. 2744.

64 CHEVROLET BELAIRE STATION WAGON - Auto trans, ps, r/h, new brakes & tires, 6 cyl, 6 pass. \$1250. JUI-1587.

63 CHEVROLET BELAIRE - 6 cyl, std trans, good cond. O. Medeck, EM3-6437.

64 CHEVY PICK-UP - 8' body, heavy duty springs & clutch, r/h, 26,000 mi. \$1150. J. Dispart, Ext. 2389, 281-8943.

60 CADILLAC - Clean. \$650. C. Ruege, Ext. 451.

61 ALFA ROMEO - Sprint coupe, new tires, muffler, generator, transistorized ignition, 80,000 kilometers. Best offer. B. Mozer, Ext. 7605, AT6-0099.

59 FORD PICK-UP - 1 ton, V8, 8' box. \$450. YA4-3298.

51 CHEVROLET - 4 dr sedan, r/h, 6 cyl, std trans, excel cond. \$83.51. YA4-3298.

63 FALCON STATION WAGON - Auto trans, radio. \$650. L. Hjarne, Ext. 2449.

54 CHEVY PICK-UP - 1/2 ton, new brakes, 2 new rear drums, 4 new shocks, battery, springs, universal, 5 good tires. J. Zahra, Ext. 7698, 2276, HR3-2889.

63 FALCON FUTURA - Auto trans, 6 cyl, bucket seats. 732-8241.

62 CHEVY II ENGINE - Out of car, good for boat or car, "clean." \$80. 722-4865.

65 VOLKSWAGEN - Sunroof, good cond. Asking \$1000. What's your bid? C. Stewart, SH4-6427.

Boats and Marine Supplies

14' SKIFF - 10 hp Evinrude motor, Both ready. \$150. C. Bennett, Ext. 411, 281-8683.

16' AMESBURY LAPSTRAKE SEA SKIFF - 10 hp Johnson outboard motor. John, Ext. 2376.

22' CHRIS CRAFT SPEED BOAT - Hard top, double planked, recently reconditioned. \$1200. AT6-8476.

12' PEN YAN - Light weight, fabric covered wood construction, good cond. \$75. Pete, 286-0656.

17' ZOBEL JERSEY SKIFF - Lapstrake, 60 hp Palmer, navy top, all in excel cond, in water. Asking \$1000. Ext. 7779.

22' TROJAN CRUISER - Inboard, sleeps 2, enclosed head, s.s. galley, many extras. \$1200 takes it over. W. Kalinowski, Ext. 2457.

14' BLUE JAY - 3 synthetic sails, anchor, trailer, all excel, stable, maneuverable, ideal for beginning sailor. \$545. Ext. 379, LT9-3269 after 6.

11 1/2' SAILFISH - Instant fun - just add water, good cond, just painted & ready to go. \$145. P. Hichborn, Ext. 2414, WA9-4133.

25' CHRIS CRAFT SKIFF - 1961, navy top, refrigerator, hot & cold pressure water, 185 hp, mufflers, swimming stage, everything. \$3000 in marina. R. McCracken, Ext. 2138.

18' LYMAN SKIFF - 45 hp Gray engine inboard, excel cond, in water for demonstration, accessories. \$475. H. Richardson, AT6-8610.

16' SKIFF - Foredeck, 18 hp Evinrude engine, extras, will sell separately. \$180. JUI-5833.

INTERNATIONAL 14 SAILBOAT - #1425 excel hull, good cotton sails & nylon spinnaker, extras. B. Mozer, Ext. 7605, AT6-0099.

20' RAVEAUX CABIN CRUISER - Head, depth finder, twin 25 hp Evinrudes, elec start, complete canvas. \$600. Ext. 597, AT6-0436.

23' CHRIS CRAFT CABIN CRUISER - 95 hp inboard, galley, 2 bunks, head, navy top. AT6-1258 weekends, after 6 p.m. weekdays.

19 1/2' PENBO LAPSTRAKE - Sleeps 2, head, navy top, 50 hp Johnson elec, all equipped, ready to go. \$950. D. Kazmark, Ext. 2459, AT9-0265.

22' TROJAN CABIN CRUISER - 2 foam bunks, galley, enclosed head, many extras. \$1200. Walt, Ext. 2457.

FREE - Boat engine box, 41" long, 28" wide, 14" high, two vents incl. Ext. 7779.

18' SLOOP - Fiberglassed, dacron sails, running lights, \$650; 3 1/2 hp Longshaft outboard, 1966, \$120. Boat and motor, \$730. 286-1218.

Miscellaneous

TABLES - 2 blond end & 1 corner, \$20; tricycle, like new, cost \$15, asking \$8; books, 50¢ each; records, 75¢ each. Dick, GR5-6452.

DINING RM TABLE - Mahogany, oval, w/china closet. \$35 for both. GR5-6579.

BRUBECK TICKETS - Two! Center of Theatre, Row H, reluctantly must sell. \$7. B. Kohler, Ext. 395.

WOODED PLOT - Rocky Point, "The Tides," 18,000 sq ft, private beach, paved sts, golf course, water. \$5400. 744-9345.

IRISH SETTERS - Male & female, 7 wks old. AKC registered, Champ lineage. \$125. Ext. 7356.

ANTIQUE EDISON PHONOGRAPH - W/horn, over 50 cylinder records dating from 1905. \$100. PY8-4028 after 5.

DYNAKIT - Basic amplifiers, 50 watts each, all new tubes, excel cond. \$40 each or 2 for \$75. Ken, Ext. 7733.

DOUBLE BED - Solid maple, sturdy, w/mattress & box spring, newly refinished. \$30. Sarge, Ext. 2852.

HOT HOUSE - Lord & Burnham, aluminum frame, plastic cover. \$245. John, Ext. 7750.

ARCHERY BOW - Recoil 30 lb, \$10; folk guitar, round hole, \$15; alcohol stove, 2 burner, \$10. N. Schinn, Ext. 2706, AT6-8772.

NATIONAL HRO-50TI RECEIVER - 5 coils w/speaker, Johnson ranger transmitter, Johnson 275 w, matchbox & S.W.R. indicator, all in excel cond, w/orig boxes. \$325. Charlie, Ext. 7196.

DRAPES - 7 pairs green silk, 84" long, fully lined, 3 matching cornices (optional), 1-110" long, 2-66" long. AT6-1217.

HAND LAWNMOWER - \$4; elec hedge shear, \$8; photo reflectors w/500 w bulbs, \$2 each. Ext. 353.

39" TWIN BEDS - 1 complete pair, cordovan mahogany footboards & bookcase headboards, excel cond. \$100 for both. 929-6261.

HIDE-A-WAY SOFA - 48" mattress, excel cond, good appearance, comfortable sleeping. Ext. 636, AT6-1352.

GIRL'S BIKE - 20", good cond. \$10. M. Petruk, AT6-0124.

MAGNAVOX THEATRE - Stereo, AM/FM radio, 23" TV, Danish-inspired walnut cabinet, excel cond. Asking \$200. Joyce, Ext. 2532, 744-2558.

CRIB - 3 yrs old, good cond, mattress incl (fair cond). Asking \$10. Lee, Ext. 7637.

SPEAKER ENCLOSURE - Corner type folded horn, cut-out for 12" or 15" speaker, blonde birch, excel cond. \$7.50. H. Johnson, Ext. 2882.

TWIN BABY CARRIAGE - Converts easily to stroller, w/extra mattress. \$25. Ext. 7726.

MALE GERMAN SHEPHERD - 4 yrs old, good watchdog, raised by adults, no children, wants good home. GR5-7538.

LAUREL NEAR MATTITUCK - Split ranch, 5 bedrms, liv rm, den, lg kitchen, laundry, garage, basement, beach rights, 2 1/2 baths. \$23,000. 298-4567.

EAST PATCHOGUE - Attractive house on 3/4 acre, good cond, low upkeep, 3 lg bedrms, 2 full baths, beamed ceilings, brick fireplace, screened porch. \$19,700. AT6-8528.

MEDFORD - 7 rm ranch, naural cedar shakes, fully equipped laundry rm, fenced backyard, low taxes, large trees. \$18,900. GR5-8426.

MILLER PLACE - Waterfront, 3 bedrms, lg kitchen-dining area, liv rm, den, porch, 2 car garage, 2 baths, 2 fireplaces, many extras, low taxes. HR3-4319.

BELLPORT VILLAGE - Custom cape, 4 yrs, choice location, 3/4 acre, 4 bedrms, 3 baths, panelled din rm, fireplace, fam rm, full basement, garage, extras. B. Mozer, AT6-0099.

SMITHTOWN - Hi-ranch, 3 bedrms, liv rm, din rm, lg kitchen, double garage, basement, s/s, fenced, landscaped. AN5-6483.

EAST SETAUKET - 6 bedrm split level, 1 1/2 baths, 2 zone hot water heat, 10 yrs old, garage. Mac, HR3-1623.

CENTEREACH-SELDEN - 3 yr old, 9 rm hi-ranch, 4 bedrms, 1 1/2 baths, fam rm w/sliding door to patio, garage, s/s, w/w, appliances. \$16,500. 732-6562.

RONKONKOMA - 66' ranch house, 2 car garage, completely fenced property 100'x150', 2 baths, 2 kitchens. JUI-0629.

OAKDALE - Attractive 9 rm cape-ranch, redwood panelled liv rm & den, fireplace, convenient to shopping, trans, school. LT9-5741.

BAYPORT - 4 bedrm ranch, screened porch, liv rm, 2 baths, garage, 1/2 acre in beautiful section near bay. Ext. 414.

For Rent

STUDIO APT - Avail May 1, Southaven. \$80/mo incl elec. M. Welch, Ext. 7266.

4 RM APT - Incl garage & basement, in 3 yr old house, immediate occupancy. YA4-6092.

1 BEDRM HOUSE - Shoreham, furnished, liv rm, sun lounge, lg kitchen, basement, garage, overlooking Sound, beach rights, avail about May 1. \$160/mo. P. Adams, 744-5448.

10x12 HIGH WALL TENT - Try camping for fun. 273-6436.

3 RM APARTMENT - Furnished, 2 bedrms, liv rm, pull-man kitchen, priv entrance, priv home, near water, dock privileges. 878-0817 after 6 p.m.

Wanted

HOME - For 2 yr old lovely Beagle. F.W. Bloch, Ext. 572, AT6-8724.

FOR COUNTRY FAIR - Jewelry, Clothing, Books, Knickknacks, Toys, Attic Treasures, proceeds to St. Charles Hospital, sponsored by Volunteer Nurses of America. E. Whitehead, Ext. 2357.

EMPLOYMENT FOR APPRENTICE MOUSERS - One pure white miss, one raccoon-coated mister w/moustache. L. Joiner, Ext. 2741, 744-5164.

HOME - For 9 mos old mongrel, 3/4 beagle dog, completely house broken, very clean, friendly, answers to the name "May." Ann, Ext. 456.

WAGON - Outgrown by child, suitable for hauling supplies on boardwalk. Ext. 7373.

CAMPING EQUIPMENT FOR TWO - To rent for the first week in June. Marcia, Ext. 2743.

CHARTERED FLIGHT TO EUROPE - Any information regarding unfilled flights to Europe. N. Schumburg, Ext. 2579.

HELP - Need a place to live, 15 May - 15 August, prefer furnished but not mandatory, couple. Ken, Ext. 7733, 281-3082.

LADIES TO PLAY LADIES SOFTBALL - And work out those Charley-Horses from last year. D. Skokna, Ext. 2146.

8 MM MOVIE PROJECTOR - J. Jacobs, Ext. 2955, HR3-1465.

HOME - For 5 mo old female tortoise shell Persian cat. M. Dohrman, Ext. 2169.

SUMMER EMPLOYMENT - For grad student, industrial mgt, July thru Sept, work needed to cover college costs. GR5-8658.

Carpools

DRIVER/RIDER - Urgently needs to join carpool from Harbor Hills - Port Jefferson Area. Ext. 7410.

DRIVER - To join carpool from Blue Point-Bayport area. Ext. 7346, 2511.

PAYING RIDER - Wishes ride to Ridge area at 1 a.m. Call Ron, 924-8681.

Classified Ad Policy:

- 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 associated 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. (Additional copies of the form are available at the *Bulletin Board* office.) Twelve noon on Friday is the deadline for inclusion in the following week's issue.
- Ads are run on a space-available basis; those not carried because of space restrictions will be held for inclusion in the next issue.
- Ads are run only once and must be resubmitted if they are to be repeated.

For Sale: Autos & Auto Supplies Carpools Check the heading
 For Sale: Boats & Marine Supplies For Rent applying to your ad
 For Sale: Houses Wanted Print or type your listing in the
 For Sale: Miscellaneous Lost Found space below in 20 words or less.

(Name & Phone No. To Call)

Your Name: Lab Phone Ext:

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

Employee's Signature Life No.