

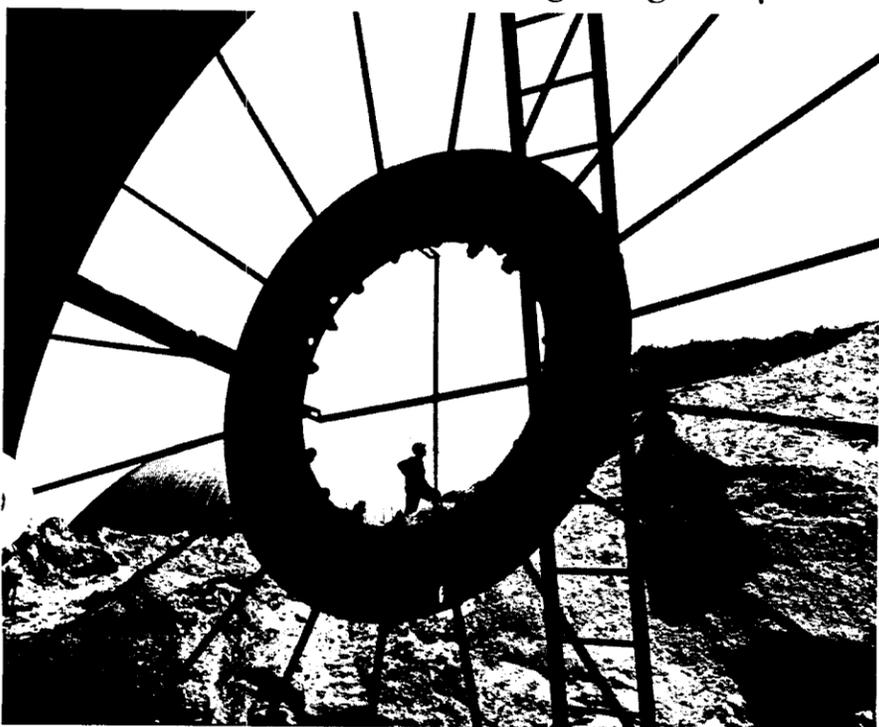
BULLETIN BOARD

Volume 21, Number 29

Published by the BNL Public Relations Office

July 27, 1967

Tandem Van de Graaff Making Progress 7-104-67



The \$3.7 million Tandem Van de Graaff facility at BNL is starting to take shape along Cornell Avenue. The above view was made from the inside of the 18 foot diameter tank of one of the accelerators.

The completed building, which will be 400 feet long by 120 feet wide, will use as much concrete as is needed for a twenty-story building. —Photo by Rosen

New Phone Book Ready to Go

The new telephone directory for BNL has now been printed, and will be distributed shortly. This bright-orange colored book will have many new features that will make it easier to use and will provide more information than was available in past years.

In the white pages of the book, a new column has been added giving the building number and mail address of each person listed, as well as the street address. Alternate extensions are now listed under the original listing instead of to the left.

Organization changes are reflected in the new book by the disappearance of Plant Maintenance from the department list, and the appearance of Plant Engineering and Planning in its place.

Hospitality News

A Hospitality Committee "Coffee" meeting will be held on Monday, July 31 in the Recreation Hall in the Apartment Area. Time: 10:30-12:00 noon.

Apartment Residents: Be sure to attend so that those ladies who are interested in forming an on-site baby-sitting group may meet together. Bring the kids.

Mrs. Sastre has consented to demonstrate the sewing of hems on different types of fabrics. Bring thread, scissors, needle, thimble, material, paper and pencil with you.

Refreshments will be served.

An indexing system is included along the right side of the book to allow easy reference to alphabetical sections without thumbing through all the pages.

At the end of the yellow pages is a listing of Zip code numbers for all of Nassau and Suffolk Counties, and in the beginning of the yellow pages is a brief description of the methods of FTS dialing. Also in the yellow pages is a copy of the form used for reporting changes to phone book listings.

While the new book has 34 less pages than the old one, it contains about 500 more listings in its 100 pages. The map of the site in the center fold has been simplified and enlarged to include the apartment and summer house area.

3000 Pictures From BNL at Art Museum

A series of three thousand bubble chamber pictures taken at BNL has been included in an exhibit at the Museum of Modern Art.

The exhibit, titled "Once Invisible," features photographs of objects and events that cannot be seen by the human eye without the aid of photography. In addition to the bubble chamber photographs, the exhibit includes stop-motion photographs of explosions; images formed by heat or stress; patterns formed by sound; and photos of a hair on a fly's tongue.

The bubble chamber photos were made in BNL's 80" Bubble Chamber, and show tracks of interacting protons in liquid hy-

Microscopic Causality Verified at Brookhaven

The principle of microscopic causality, which is a cornerstone of Einstein's theory of relativity, has been experimentally verified by scientists at BNL using the Alternating Gradient Synchrotron.

Microscopic causality assumes that signals do not travel faster than the speed of light, even in the sub-atomic distances inside of a proton. At Brookhaven, this was verified to distances $< 10^{-15}$ cm (.0000000000000039 inch) and indirectly verified down to 10^{-16} cm. This is equal to a distance that is between one-hundredth and one-thousandth the radius of a single proton.

The technique employed to verify this principle required very high energies and observation of the strong pion-proton interactions at the AGS, which is currently the largest and most powerful accelerator in the world. In these experiments it operated up to 29 GeV (billion electron volts). A pion, also called a pi-meson, is a short-lived elementary particle, having a mass greater than an electron but less than a proton.

The measurements obtained allow an experimental test of the forward dispersion relations. The forward dispersion relations correlate the effective interaction size (cross section) of the colliding particles and the non-absorptive portion of their collision strength (or elastic scattering amplitude) along the path in which the collision (interaction) occurs.

The experiments involved difficult technical problems, principally in the areas of recording and analyzing massive amounts of data. These were overcome by the application of computers, connected directly to the experiment (on-line) using the counter-hodoscope technique. This technique allows 10^{12} (1,000,000,000,000) electronic counter combinations to gather several million events (interactions) per hour. This is an increase in rate several orders of magnitude greater than prior methods and it allowed unusually accurate measurements down to a few tenths of one percent.

The team of physicists who conducted the microscopic causality experiments was headed by Dr. S. J. Lindenbaum, and included Dr. K. J. Foley, Dr. R.S. Jones, Dr. W.A. Love, Dr. S. Ozaki, Dr. E.D. Platner, Dr. C.A. Quarles, and Dr. E.H. Willen, all of the Physics Department.

drogen. During the course of a year, almost 5 million feet of Bubble Chamber film is processed and scanned for possible "events" or collisions between particles.

The series of pictures from BNL is projected from an overhead machine and forms a continuous pattern of tracks. John Garfield, Head of Photography and Graphic Arts, is listed as one of the men who made important contributions of technical council to the exhibit, and represented BNL with research assistance.

The exhibit opened on June 20, and will run through September 11 at the Museum of Modern Art at 11 West 53rd Street in New York City.

Graphite Shop Gets New Lease on Life

In March of 1941, when the Army was just expanding Camp Upton into a full-sized Reception Center, a bakery was built near the present Fire House on Railroad Avenue. As the war continued, the uses of Camp Upton changed, but the building continued to be used as originally planned until Upton was closed down early in 1947.

When Brookhaven National Laboratory started, there was no need to bake bread or cake on a large scale, and the building was converted into a shop for machining graphite blocks used to moderate the research reactor that was being built.

"It was a dirty job working with that graphite," said Jean Reynolds, the only girl in the group. While Jean was not involved in the machining of the blocks, she did help to lay out the finished blocks into a "sigma" pile on the floor of the Metallurgy building. The 4"x4"x36" blocks were machined with wood working equipment that caused dense clouds of black dust to form in the former bakery building.

"When I decided to bake some of the blocks in the ovens to drive the water out of them, everyone hated me for adding all that heat to the building," said Charles Osborne, who was in charge of the project of finishing the many thousands of blocks of graphite.

The initial machining job took over a year to complete, and then the building was used to repair broken blocks and make new blocks whenever needed. Recently the need for graphite machining was so little that the building was closed most of the time, and opened only when the need arose. On May 15 of this year all graphite machining was moved to the machine shop at 9 Center Street, and the old shop was closed down for good.

Shortly after the closing, a crew from Plant Engineering and Planning came along and cut the building into several pieces for moving into a new location. The main part has been moved next to the Critical Assemblies Building on N. 6th Street where it is being converted into a shelter to house a large silo for bulk irradiation experiments.

Pierre Mercier, Engineer in charge of the remodeling, estimates that the job will be finished early in August, and the building will be operated by the High

7-703-67 (continued on Page 2)
King Sized Rock Garden



Bob Mulcahy, of Plant Engineering and Planning, gives the signal to lower into place the center piece of a rock garden next to the new chemistry building. The boulder, which weighs 20,280 pounds, was moved from a spot on Princeton Avenue between Upton Road and Rochester Street early on Monday. According to Ed Hunter, Site Maintenance Supervisor, myrtle will be planted around the base of the boulder now, and in the fall a white birch tree will be transplanted adjacent to the huge stone.

Ten Year Pins Awarded ... 7-118-67 A



At a ceremony held in the conference room at the AGS on June 30, the above employees were awarded ten-year pins by Dr. G.K. Green, Chairman of the Accelerator Department. Left to right are: Arnold V. Feltman, Design Engineer; Richard D. Lingg, Designer; James P. Clint, Staff Shop Technician; Mary (Semerjian) Smith, Executive Secretary; William F. Gefers, Electrical Engineer; Arthur R. Blummert, Senior Designer; James E. Brockbank, Technical Specialist. Unable to attend were Georgina A. Fuld, Secretary; Gordon T. Danby, Physicist; Joseph R. Cuccia, Senior Designer (ten-year recipients) and Edward H. Foster, Development Engineer (twenty-year recipient).

Medical Insurance Extended to Employees Retiring at 60

Dr. Maurice Goldhaber, Director of the Laboratory, has announced a lowering of the age requirement for enrollment in the AUI Retired Employees' Medical Insurance Plan.

Effective August 1, employees retiring on or after their 60th birthday may continue the same medical insurance coverage they enjoyed as an active employee until they become eligible for Medicare. At that time they may enroll in the AUI's Medicare Major Medical Insurance, a plan which supplements the benefits provided by Medicare.

Formerly the minimum age for enrollment in the retired medical insurance was 62.

BERA Film Series

Thursday, August 3 - 8 p.m. Lecture Hall
To Love

The story of an orgiastic courtship of a merry widow by a lecherous travel agent told with a flavorsome, satiric tang. Directed by Jorn Donner; starring Harriet Andersson and Zbigniew Cybulski. Its locale is a bed and its immediate vicinity, and the couple go through their amorous paces with nimble frivolity, sincere and mindless of daily convention. Though the camera is frank and observing, it never becomes tasteless, and the result is often wildly hilarious as the seducer gets seduced. Andersson and Cybulski are impressive in their roles.

Short: An Oscar for Mr. Rossi

A marvelous satire on abstract and experimental films, amateur film makers, and film festivals told in animation. An enthusiastic amateur only wins his "Oscar" after he mauls his film and it wins a prize as an abstract.

Movie Tonight: Cangaciero

Live Music . . .

We have two more dances scheduled for your pleasure at the Recreation Building on Tuesday, August 1 and Tuesday, August 8. Last week's attendees had a great time. Why not join them this Tuesday. It's only fifty cents to get in. There's beer and soda for \$.15 and free pretzels and chips. The dress is casual. Come stag or drag. It all starts at nine and the three piece combo plays until midnight. If you're not a dancer, spectators are welcomed.



Come to Our Cabaret Brookhaven Center Tonight

Admission Free Showtime 8:30 p.m.
It's our opening night tonight, Thursday, July 27 at 8:30 p.m. and it's free. Second performance, Friday, July 28.

All is ready, and we hope you are too. If you wish to reserve a table for this show-stopping evening, you may call Ext. 2808. But don't let that stop you - there is room for you.

This evening will feature hit songs from our leading musicals, staged by Jerry Friedman, and performed by your friends. Don't forget - reservations held until 8:15 - show time 8:30 at the Center.

Come one - come all - maybe twice???

Battle of the Decade (would you believe year?)

As a result of a challenge issued in the *Bulletin Board*, The Bubble Chamber Group Scanning Section Owl Shift Softball team engaged the "Terrible Techs" on July 21, 1967, in a "Battle to the Death."

The "Owls" took a 5-2 lead in the first inning as they completely outclassed the valiant Tech team. The Battle raged, inning after inning, as the "Owls" out hit, out ran, out pitched, and out thought the vastly inferior "Techs."

The Tech team was paced by the outstanding pitching of "Crazy Carmen" Spirio and the solid hitting and defensive play of third baseman Eli Glazer. Graham Smith led the attack, while Jim Melvin managed to survive six innings without getting killed.

The line score was: 8 Cases Beer, 4 Cases Soda, 72 Hamburgers and 95 Hot Dogs, and a great time was had by all.

P.S. The "Techs" won the game 17-15.

Float Committee Organizes 7-682-67



photos by Humphrey
Co-chairmen Marc and Mike Rose 7-680-67

Students Start Work On Riverhead Float

Forty-two Summer Students attended a free luncheon at Brookhaven Center last Friday to organize a committee for building a BNL float to be used in a parade commemorating the 175th anniversary of Riverhead Town.

After a few speeches by various members of the staff, the students unanimously chose the Rose twins, Mike and Marc, to be co-chairmen of the building effort.

Gordon Ahlers, of Plant Engineering and Planning, who is also a member of the Riverhead Town Celebration committee, gave a brief description of the events that are planned in Riverhead. He promised that the parade, which will be held on Saturday, August 12, would be televised in color on channel 8.

The committee decided that most of the work on the float would be done in the rear of the gymnasium, which would also be close to a source of beer. Some of the girls suggested that an accelerator be constructed that would shoot out popcorn into the crowd as the float passed.

The *Bulletin Board* will carry further news of the progress of the construction in next week's issue.



Graphite Shop (Continued)

Pressure Laboratory of the Radiation Division of the Nuclear Engineering Department.

The full cycle of use of this building will come about when the former bakery building is used in experiments to irradiate grains, grains that will be used to make flour, and flour that will be baked into bread.

USNR Research Co. 3-9 Brookhaven National Laboratory

9 August
Radioactive Dating
Dr. G. Friedlander, *BNL*

16 August
Engineering & Architecture
for Research Facilities
Mr. John Lancaster, *BNL*

13 September
The Navy's Experimental Hydrofoil Program
Speaker to be named

20 September
Operation of HFBR
Mr. Gerald Kinne, *BNL*

Members of the BNL staff and guests are welcome at all lectures.

Arrivals & Departures

Arrivals

Donna V. FitzgeraldDirector's Office
William GonzalezCentral Shops
John A. KouchinskyAccelerator
Peter M. McHughSyst. & ADP
Barbara A. MurgatroydInformation Div.
Henry N. PoChemistry
Richard D. PullenPhysics

Departures

Katherine M. EinfeldtAccelerator
Elaine P. HolzReactor
Rita KitoInformation Div.
Joseph LoCiceroPlant Maint.
Gladstone W. McCormickPlant Maint.
Robert J. McCrackenMech. Eng.
Judith W. PearsonPersonnel
Joan P. SobeskyApplied Math.
Eileen J. WhiteheadDirector's Office
Todd H. WhitakerAccelerator

Mixed Foursome Bowling Tourney

A mixed Foursome Bowling Tournament will be held on Saturday, August 26, at 3 p.m. at the Port Jeff Bowl.

Teams will consist of four bowlers; two men and two women. At least one member must be a BERA defined BNL employee. The tournament will consist of three games, bowled across six lanes.

There will be team and individual prizes, the number of prizes depending on the number of entries.

Registration fee is \$10. per team (four bowlers). Applications are available at the Recreation Office. Deadline for the applications is August 18, 1967.

Let's make this tournament a success, sign up now!

Bowling Starts Soon

Pick up your team entry blank at the Recreation Office. The fall leagues are being organized now. Remember our leagues are fun leagues - handicapped for all to enjoy - high, low, and new bowlers welcome.

Priority for last year's teams to retain their team in the same league expires Aug. 11 - don't be disappointed.

New teams have until Aug. 25 to round up 5 men or 4 gals to join a league. Individuals whose departments don't have a team will be combined to form new teams.

We bowl right after work - about 6 pm at the local alleys. The applications give you a choice of night and place. Our leagues are not guaranteed - so the fees are low. BERA supplies the trophies at the end of the season.

Mixed League - if there is enough interest we'll have one this year. It's up to you. We will schedule one on Thursday or Friday evening. This way you can join your regular league and this one too. But we have to know your plans by Aug. 4.

Pool Specials

Create Big Splash

The first two special pool events were a huge success with over seventy-five children participating in each event. On July 9th, a Penny Fetch was held and five dollars in change was recovered from the bottom of the pool. Few of the children went home empty handed.

The following Friday, July 14th, the children fought vigorously in the Watermelon Scrimmage. The winning team devoured the watermelon.

Summer Rec Program Off To a Fine Start

On July 5, 1967, the summer recreation program began with seventy-five children participating in the supervised activities at the Recreation Building. The program will run until August 18th from 9 a.m. to 11:15 a.m. Monday through Friday. Every Friday is a Special Event day. Special Events planned for this year include a Tropical Halloween Party, a Clown Show, and a Scavenger Hunt which was held last Friday.

Children entering the program must be five years of age or older.

Aviation Club to Meet . . .

The BNL Aviation Club will meet on August 9, at 8 p.m. in the Recreation Hall.

Guest speaker for the night will be Wayne Robinson, a member of both the BNL Aviation Club and the Long Island Soaring Association. His topic for the night will be "Gliders, Sailplanes and Soaring."

All Lab employees are welcome to attend this meeting.

We Win! . . . Champion Rifle Team 7-402-67



The members of the winning team pictured above are (standing left to right) Robert Medina, Roy Domish, Ed Hart, Peter Fallon, and Anthony Finocchio. (Kneeling left to right) Al Lucas, Peter Colombo and John Jacobs. The rotating trophy has been proudly presented to George Sabine - Recreation Supervisor, who will display it in his office for the next 12 months.

Around the Base Pads

by Bob Carciello

Blue Jays Cop First Half

Following a regularly scheduled game on July 18, the Blue Jays and Old Timers completed the first half play-off. A good combination of offensive and defensive work enabled the Birds to crush the Old Timers, 14-3

Second Half Standings

Brookhaven League

	W	L	Pct.
Blue Jays*	4	1	.800
Old Timers	4	1	.800
Batmen	3	2	.600
Six Packs	2	3	.400
Metallurgy	1	4	.200
Medical	1	4	.200

*First half winner.

Results last week: Blue Jays 11 - Old Timers 5; Blue Jays 14 - Old Timers 3 (play-off); Metallurgy 20 - Medical 5; Batmen 17 - Six Packs 7.

National League

	W	L	Pct.
Make Ups	4	0	1.000
Dirty Sox*	4	1	.800
Phoubars	2	2	.500
Bubble Boys	2	3	.400
Floorwalkers	0	2	.000
Deadwoods	0	4	.000

*First half winner.

Results last week: Make Ups 23 - Deadwoods 5; Dirty Sox 7 - Floorwalkers 6; Phoubars 14 - Bubble Boys 13.

Laboratory League

	W	L	Pct.
Potsareebies*	4	1	.800
Mets	4	1	.800
Biology	3	2	.600
Applied Math	3	2	.600
Charlie Brown's Stars	1	4	.200
Converts	0	5	.000

*First half winner.

Results last week: Applied Math 7 - Potsareebies 5; Mets 10 - Biology 3; Charlie Brown's Stars 10 - Converts 6.

BGA - 9-Hole

Golf Tournament

On August 1 there will be a 9-hole Golf Tournament at the Spring Lake Golf Club, East Bartlett Road, Middle Island. There will be a get-together buffet after the tournament. Call Charles Flood for tee off reservations, Ext. 2871.

One hundred and sixty shots heard around Long Island if not around the world were fired by BNL's Rifle-Pistol Club at the U.S. Merchant Marine Academy's range. When the smoke cleared, the boys had enough points to bring home the bacon in the form of the handsome Swirbul Memorial Trophy. Pitted against the Sperry team, our first relay consisting of Captain Pete Colombo, Al Lucas, and Jack Walker went to the line to fire five shots each in the standing, kneeling, sitting and prone positions. Twenty shots to be fired in twenty-five minutes. If each shot slams into the bullseye, you have a perfect score of 200. Pete shook up the Sperry squad by firing a 191 - his second highest score of the year. Al and Jack weren't far behind, so BNL was off to a strong start. The opponents threw in their big guns for the second relay. Our boys stood them off and went into the third relay ahead by a small margin. It was obvious that the championship would be decided by the third relay.

Now to backtrack a moment. The winner of the match would be determined by totaling the four highest scores of the team members. Sperry had entered ten men, and BNL had eight shooters. In the third and deciding relay, we were down to two men and Sperry to three, but Roy Domish, our best shot, was rarin' to go and he started knocking off bull's eyes one after the other and the pressure began to build. The boys from Sperry collapsed as Roy's score soared to a 193 - the best individual score of the year. But it was a Metsian finish because Roy's targets were found to have a total of 21 holes instead of 20! Sperry protested and demanded that Roy's score be thrown out. But after a careful examination of targets by the eagle eyed judges, it was agreed that one hole was caused by a back splatter, and the trophy was ours. After four years of competitive shooting, BNL had won first place for the third consecutive year in the Long Island Industrial League.

With the last shot fired for the year, BNL had the Swirbul Trophy, had won 15 out of 16 matches, had placed second in the regional tournament, John Jacobs had placed third in the regionals and in the National Rifle Association's national tournament in which 300 men participated, and Captain Pete Colombo out-shot 279 competitors. No wonder there weren't any broad sided barns left in Suffolk.

—John Binnington

Distaff Softball

Last Tuesday evening's game was one of the best games of the season. The final score was 11-8. The ladies played with hardy enthusiasm and vigor.

Now for some of the highlights of last week's game. Pat Evans (Medical) pitched a good game even though her team wasn't successful. In a real close play at home plate, Rosemary Dearing (Biology) tagged out Gloria Dimoplon (Chemistry) who came sliding in. Two beautiful catches were made by Mary Meier (Cosmotron) out in left field.

Our good friend "charley-horse" made an appearance after a couple of weeks absence, but as the old saying goes "Wait til next week" - maybe he won't show up again!

—Dee Skokna

Consolation Round

Men's Singles Only

Contestants who are eliminated in the preliminary round of the Tennis Tournament are eligible for the Consolation Bracket. The Consolation Bracket rules and match dates will be the same as the Championship Round. An award will be presented to the champion only in this round. Please keep abreast of the other rounds in relation to match results.

Fish Tales

by John Tagliavia



We are pleased to announce that the winner of the May-June Largest Fish Award is Miss Mary Borruso. Mary's 4 lb. 12 oz. flounder was taken on skimmer clams in front of the fish factory on Gardiners Bay. Mary says rowboats can be rented from any one of several boat stations in the area. Personally speaking, this area has in the past produced a fair amount of blackfish, porgies, fluke and blues as well as giant flounders. There are as many as three free concrete launching ramps in a distance of about 15 miles where the small boat fisherman can put in his boat and be at the grounds in 10 minutes.

The Average Fish Award was taken by Nick Parrinello. Nick's bluefish of 5 lbs. 6 oz. was caught at Port Jefferson on a surgical tube. Nick maintains that a 10 ft. mono leader in front of the tube is a must. More than anything this serves to free the lure from the restricting stiffness of the wire which on a shorter leader would inhibit the lures tantalizing action.

Captain Cooch says there's tuna in the "Mud Hole," and that hordes of marlin are making their way east. Two swordfish were taken at Montauk this past week. So if big game is your fancy, now is the time.

Cookbook on Sale

The Glorious World of International Cookery is the culmination of a project begun almost four years ago by the ladies of BERA's Cooking Exchange Group. The ladies met on a bi-monthly basis to demonstrate and share their national recipes.

Interest in the group expanded to the point where these comely chefs were able to accumulate recipes of an international variety. The ladies decided to publish their discoveries. The result of their efforts is *The Glorious World of International Cookery Cookbook*. Among other recipes featured in the book are "Banbury Puffs," "Julkaka," "Nasi Goreng," "Apple Pie," "Ragu," "Neapolitan Pizza," "Steak and Kidney Pie," and "Carnacina." Interested? Contact the Recreation Office where the books are on sale for \$2.00 and 4 cents tax.

Classified Advertisements

Autos & Auto Supplies

60 CHEVROLET - Biscayne, V8-283, p/s, p/b, auto, 4-door, 2 new tires, new windshield, good dependable transportation. \$350. 363-6895.

62 COMET - 2 dr, std. shift, reliable. \$375. Kasha, Ext. 2948.

59 JEEP - Station wagon, 4 wh dr, r/h, p/b. Asking \$695. Ext. 379, LT9-3269 after 6 p.m.

65 RAMBLER - 4 dr, r/h, overdrive, owner leaving early Aug. \$900. W. Wright, Ext. 7601.

JEEP PICKUP - W/snow plow & citizen's band radio; 58 Carmen Gia. E. Smith, 924-3322.

59 FORD - 2 dr, std, new brakes & clutch, uses no oil, good tires, motor good, body dying. \$100. Becker, Ext. 383, HR2-0832.

57 CHEVROLET - Sedan, 283 racing cam, 4 bbl carb, 3 speed, new brakes, gauges, dual exhaust. Asking \$300. 751-8872.

59 PONTIAC STATION WAGON - Air cond, all power; 64 Buick Special; tow trailer; E. Smith, 924-3322.

62 FALCON STATION WAGON - Excel cond, new valves, carrier, seat belts, padded dash. Owner leaving country. \$700. J. Hudis, Ext. 647.

59 RAMBLER - 4 dr, 6 cyl OHV, auto trans, recent valve & ring job, needs brakes. \$80. Buhl, Ext. 354.

61 MERCURY COMET - Std shift, excel cond, all new tires. Ext. 475, 878-2399.

LATE '64 HONDA - 305cc Super Hawk, candy apple red, excel cond. \$475. R. Lambeck, 744-2586.

TIRES - 3, 8.25-14, fair cond. \$10. GR5-4988, after 5 p.m.

66 CORVAIR MONZA CONV - R/h, auto trans, w/w tires, many extras. \$1600 firm. A. Darmanin, Ext. 573, 281-5633 after 6 p.m.

64 HONDA - 305 cc Super Hawk, white, w/mirrors & rack, low mileage. \$425. AT6-0838 after 5 p.m.

61 ALFA ROMEO - Giulietta sprint coupe, good tires, transistorized ignition, must sell, leaving Lab. Ext. 7605, AT6-0099.

61 RAMBLER - 4 dr, new valve job, battery & brakes, no rust. Bill, Ext. 2314, 732-5004.

63 FORD FUTURA CONV - Black w/w top, red interior, 4 new tires, excel cond, r/h. Ext. 2203, AT6-0866 after 6 p.m.

64 PONTIAC TEMPEST - 4 dr sedan, std trans, good cond, plus snowtires, avail end Aug. P. Dodd, Ext. 7268, HR3-6864 after 6 p.m.

BEACH BUGGY PICKUP - 1956 Dodge, all new rubber over-size tires, reversed rims, 5 spare tires, runs perfect. \$200. R. Dunn, 878-0464.

64 TEMPEST - Custom Sports Coupe, r/h, auto, p/s, p/b, w/w, 6 cyl, 20 mpg. \$1100. Don, Ext. 7511, SE2-8458.

66 YAMAHA - 250 cc Catalina, 5300 mi, excel cond, 2 helmets, cover & other extras. 941-4696 after 6 p.m.

58 RAMBLER STATION WAGON - Std shift, r/h, good transportation, clean. \$100. B. Brehm Jr, 744-6885.

62 FALCON - 4 dr, excel cond, 101 hp engine, std shift, r/h. \$425. Ext. 621, GR5-8635.

54 CHEVROLET - 1/2 ton pickup. \$225. Ext. 7184.

57 OLDSMOBILE - 4 dr, r/h, auto trans, needs muffler. \$100. 281-6732.

TIRES - 2 nearly new (about 2000 miles) w/wheels, 7.75-14, Armstrong Premium Miracle, 4 ply (6 ply rating). \$20. Lew, Ext. 2849.

Boats & Marine Supplies

14' OUTBOARD - Thompson lapchine construction, fair cond, \$100; also gasoline tank for 15 hp Johnson motor, \$10. E. Sayre, Ext. 2145

FREE - Ice boat w/sails, yours upon payment of back storage charge. B. Petersen, Ext. 2248, 286-1366

2 MONEL MUFFLERS - 3" I.D., mint cond. \$50 each, 2 for \$95. Bob, Ext. 2265

BOAT TRAILER - Tilt bed, winch, spare tire. GR5-4199

18' CB SLOOP - Dacron sails, running lights, a find at \$450. Ext. 367

20' HOLIDAY - Fiberglassed hull, 95 hp outboard, good cond, in water; also 4 wheel tr. GR5-9398, after 6 p.m.

Miscellaneous

PEDIGREE PRAM - English baby coach, excel cond. \$45. Gene, Ext. 2461

GOLF CLUBS - 7 piece man's left-handed set, #3, 5, 7, 9 irons, putter, #1, 3 woods, Kroydon, steel shafts, like new. H. Becker, Ext. 2935, 744-2579 evenings.

STORM & SCREEN WINDOW COMBINATIONS - 2 available, size 32"x39", Ext. 2515

13 CU FT FREEZER - Like new, 8 mos old, Hotpoint. LT9-5684

SHOTGUN - 12 ga, 6 shot pump, clean & in good shape, make offer. R. Petersen, Ext. 2248, 286-1366

JUNIOR SKY WATCHERS - 50 power scope, folding tripod. \$6. Ext. 2492

MEN'S SURPRISE PACKAGE - Brand new work set: 3 overalls, 1 jak shirt, large; 8 sleeveless undershirts size 42; 1 long underwear size 44; 18 prs tan socks, 7 pr black, size 11 1/2. \$6. Ext. 2492

FOLK GUITAR - Gibson J50, hollow body, De Amond pickup, Gibson hardwood plush lined case, excel. \$160. Ext. 2492

CARRIAGES - Regular folding coach; also car bed with wheels. Best offer. Tony, Ext. 2439

TRUMPET - Getzen, purchased spring 1967, used only 2 or 3 times, absolutely in brand new cond. \$90 firm. Bill, Ext. 2393, 724-3035

1 DRIVER'S DOOR - 4 hubcaps, 2 tires on rims 7x60x 15, 1 radio, all from 59 BUICK recently junked. 732-8268

3 AKC POODLES - 6 weeks old, black male small standards, showing quality. \$70 each. 281-5603

CEMENT BLOCKS - T. Smith, 924-3322

EXPO 67 TICKETS - 2 adult 7-day passports & 2 adult bonus books, all for \$20. A. Bednowitz, Ext. 2241

LAWN SPRINKLER - Walker type, great for a large lawn, retails for about \$36, will take \$10. Ext. 2268, GR5-7326 after 5 p.m.

HOTPOINT ELECTRIC WALL OVEN - Good working cond, ideal for basement or summer home. \$25. Ext. 2239

GOLF CLUBS - Matched set, 4 P.G. Burke woods 1, 2, 3, & 4, spalding irons 3 through 9. \$60. Mort, AT6-8448

TELEVISION - 21" Philco diamond console. \$25. R. Neuss, Ext. 342

2 HORSES - Chestnut & palomino, ladies English saddle, western saddle. E. Smith, 924-3322

SURF FISHING OUTFIT - 11 1/2' custom one-piece rod, Penn 700 reel w/line, rod carrier plus extras. \$45. Buhl, Ext. 354

RIFLES - 6.5 mm Japanese rifle, good cond, will throw in incomplete 6.5 carbine in deal. \$12.50. Buhl, Ext. 354

6' WOODEN AIRPLANE PROPELLER - Ideal for den decoration. \$10. Buhl, Ext. 354

RIFLE - 30-06 Springfield barrelled action, polished, scope blocks mounted, ready for bluing. \$20. Buhl, Ext. 354

SOFA - Homely old wide-arm with matching chair, comfortable. \$15 for sofa, \$10 for chair or both for \$20. Ken, Ext. 7733

GAS CLOTHES DRYER - Sears, like new, still under guarantee, cost \$210, sell for \$140. M. Goldberg, Ext. 7674

MOTORCYCLE - 66 Ducati, 250 cc scrambler, 1700 mi, mint cond. \$500. AT9-0529 after 6 p.m.

LOWREY ORGAN - 2 1/2 years old, mahogany finish, w/bench & music, double keyboard, bass pedals, excel cond. \$400. C. Torre, AT9-3715

WET SUIT - "Parkway," nylon lined; boots, gloves, & hood included, man's size medium large. \$50. Ronnie, Ext. 2180

ROGERS DRUM SET - Silver sparkle, Zildjian cymbal, Hi Hat cymbals, tom-tom, floor tom, snare, bass drum, cases included. \$250. GR5-3707

CROSSMAN AIR RIFLE - Pump model #140, excel cond. \$15. Ferrer, Ext. 7407

REFRIGERATOR - International Harvester, semi-automatic defrost. \$10. Mickey, Ext. 7173

MOTORCYCLE HELMET - Made by Bell with bubble shield, never worn, sacrifice. \$35. R. Lambeck, 744-2586

CAST IRON HOT WATER FURNACE - With gun & hot water jacket, big enough for 5 rm house. \$30. 281-7595

SHASTA TRAVEL TRAILER - 12 1/2', 1964, sleeps 5, stove, ice box, sink & electric brakes. Asking \$850. GR5-4988 after 5 p.m.

300' NYLON GILL FISH NET - 6' deep, 1 1/2" square by 3" stretch, sacrifice \$50. AT6-8610

BEDROOM SET - 3 piece triple dresser w/mirror, chest drawers, d/bed, contp mhgy, year old. \$200. P. Dodd, Ext. 7268, HR3-6864 after 6 p.m.

HAIR DRYER - GE DeLuxe in vanity case, white, year old, hardly used. \$8. P. Dodd, Ext. 7268, HR3-6864 after 6 p.m.

REFRIGERATOR - About 8 yrs old, medium size, excel running cond. You get it - \$20. B. Kohler, Ext. 395

BEDROOM SET - 1 twin bed, double dresser w/mirror, night table, chest, all formica finish. L. Bunt, GR5-7931

GOLF CLUBS - Irons 2-9 Wilson "Top-Notch," pitching wedge & sand wedge. \$40. Mike, Ext. 7174

JACOBSEN POWER MOWER - Commercial type, self propelled, 30" reel, cast iron construction (including engine), 5 hp Wisconsin engine. \$75. Hank, Ext. 7775

Houses for Sale

SOUTHAMPTON - 2 family house, 5 rms up, 7 rms down. AT3-3431 after 6 p.m.

FARMINGVILLE - Cape cod, 4 bedrms, 2 baths, basement, 120x120, near school, dead-end st. Ext. 2287, AT9-0807 after 5 p.m.

WADING RIVER - 2 bedrm ranch, w/w carpeting, baseboard h/w heat, double garage, landscaped, 130 x150, dogwoods surrounding area. 929-4714

BROOKHAVEN - 8 rm, 1 1/2 bath, colonial on bulk-headed lot, priv dock in rear, fine view of Bay in front, dbl garage, play area. \$33,000. AT6-0322

FLORIDA COTTAGE - 5 furnished rooms & bath on beautifully landscaped lot, near West Palm Beach. B. Petersen, Ext. 2248, 286-1366

4 BEDROOM - 2 bath house on top of hill, downstairs all wood panelled, 1 acre fully landscaped, auto irrigation. \$25,000. Ext. 7147, 281-8064 evenings.

EAST PATCHOGUE - 7 rm split level, 1 1/2 bath, finished basement, complete storms & screens, many extras to mention. AT9-0624

BELLPORT SOUTH - Spacious 4 yr cape, 4 bedrms, master bedrm 28x20, 3 baths, liv rm, mod fireplace, panelled din rm, kitchen, fam rm, full basement, gar, 3/4 acre. \$34,000. AT6-0099

MORICHES - Custom ranch, 3 bedrms, 1 1/2 baths, large glass porch overlooking water, fireplace, beautifully landscaped 87' on water x 225'. \$31,000. PA7-2960

STONY BROOK - 5 bedrm colonial cape, 2 baths, fam rm, beamed liv rm w/fireplace, near everything. \$24,900. Ext. 571, AT6-0341

For Rent

4 BEDROOM HOME - In Bayport, 2 bath, large liv rm, screened porch, near bay. \$250. Ext. 414

SECLUDED COTTAGE - In Manorville, tiny, w/gar. \$85 mo plus util. 878-2399

FOR AUGUST ONLY - Shoreham Village, 4 bedrm, 100 yds to beach. 744-2836, Ext. 7666

4 BEDRM CAPE - Bellport South, 4 yrs, 3 baths, liv rm, mod fireplace, paneled din rm, kitchen, fam rm, full basement, garage, extras. \$225/mo. AT6-0099

3 BEDROOM HOUSE - Patchogue, furnished, 7 rms, 2 baths, screened porch, garage. \$175/mo. Ext. 621, GR5-8635

Wanted

SAILS - For small boat. Wright, Ext. 7254

MUFFLERS - Pair of used 2 1/2" diameter mufflers for Owens cruiser. Bob, Ext. 2265

UTILITY TRAILER - Light weight, two wheel. C. Pukit, Ext. 2950

GOOD HOME - For 2 Siamese, neuter males, 1 1/2 yrs old, affectionate, like children, dogs; need good home. Ext. 2758

GOOD HOME - For 1 or 2 kittens old enough to eat, drink & sleep by themselves. Ext. 2802

HOUSEWORK & IRONING HELP - 1 day a week, need own transportation, as we are deep in the woods in Southaven. V. Sayre, Ext. 2345

MOVIE PROJECTOR - For standard 8 mm film. D. Britton, Ext. 7239, 941-3609

POOL FILTER - W. Lundgren, 588-1566

STROLLER - Reclining seat preferred. Ext. 7700

MUSICIANS - Interested in forming dance combo, all amateurs. Frank, Ext. 2314

HOMES - For 4 puppies, 3 male & 1 female, adorable mixture. Doberst, 924-6854

LARGE WOODEN BARREL - Used cargo net. George. Ext. 2191

OFFICE DESK - Large & sturdy, for newly opened Planned Parenthood Center, tax deductible donation or very reasonable. AT6-0517.

Carpools

RIDER/DRIVER - Desired to complete a 5-man carpool, Patchogue area. Ext. 2287, AT9-0807 after 5 p.m.

DRIVER - To complete 5-member carpool, Bay Shore-Brightwaters area. Pam, Ext. 2136

TO FORM - Flexible carpool from Huntington. M. Leopold, Ext. 2549

Lost and Found

LOST - Prescription glasses in black case, lost enroute from 510 to Security via Brookhaven Ave. D. Drews, Ext. 639.

Tickets Available Personnel Services

Tickets Available - Tickets may be purchased at a 20 per cent discount. Schedules and prices are posted in the Recreation Office. All orders must be placed in person and accompanied by a check or money order made payable to the theatre at least two days in advance.

Bellport Gateway Playhouse - At the Playhouse thru August 6 "Carousel," August 8-20 "West Side Story," August 22-3 "Guys and Dolls." At the Barn thru July 30 "Luv," August 1-13 "Fantasticks," Aug. 15-Sept. 3 "Marat/de Sade." **Greenport Summer Playhouse** - July 27, 28, 29 and August 3, 4, 5 "The Knack," August 10, 11, 12, 17, 18, 19 "Look Back In Anger," August 24, 25, 26, 31, September 1, 2, 3 "A Thousand Clowns."

Mineola Theatre - August 1-13 "Room Service," August 15-20 Jean Pierre Aumont in "Double Image," August 22-September 3 "Les Ballets Africains."

Westbury Music Fair - August 1-13 Diahann Carroll in "Peg," August 15-20 Ann Sothern in "Gypsy," August 22-September 3 Carol Lawrence in "Funny Girl."

Wedgewood Dinner Theatre in Glen Cove - Thru August 6 Yvonne de Carlo in "The Boy-friend," August 9-September 3 "Bye Bye Birdie" with Tab Hunter.

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.

6. Ads are run on a space-available basis; those not carried because of space restrictions will be held for inclusion in the next issue.

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

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

(Name & Phone No. To Call)

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

Employee's Signature..... Life No..... Ext.....

Send to: BULLETIN BOARD, 40 Brookhaven Avenue