



BROOKHAVEN BULLETIN

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Portable Irradiator In 100,000-lb Pack Goes To California

By ordinary standards you could hardly call a 22-ton object portable, but at HIRDL, weight is no barrier when a food irradiator must be mounted in a truck.

For the past several months work has been underway at HIRDL to modify and reinforce a 12-wheel, 44-foot-long trailer to accommodate the 22-ton food irradiator. In order to meet Department of Transportation and State regulations for transporting radioactive material, reinforcing and shielding steel had to be added to the trailer which made its weight with the irradiator almost 85,000 pounds. Combined with a tractor to pull the rig, the total weight of the unit is 100,000 pounds.

It sounds simple, but in reality, "making the weight" on this job was no easy matter. Like a boxer or a jockey, it was a matter of lots of exercise and trimming off of excess fat. When "Moose" Milau and Bill Vogel had completed all the necessary shielding and beefing up, the unit was presumably ready to go on Monday the



Before leaving BNL on Tuesday, May 26, the 85,000 pound trailer and food irradiator is inspected by Julius Milau and Bill Vogel of HIRDL.

25th. When the trailer was weighed, it was found to be considerably overweight.

Tuesday morning dawned black and rainy, but modification work still went on at the Motor Pool. Finally, late in the afternoon, the scales gave the right answer, and the rig was ready to roll at 5:30 p.m.

Tri-State Motor Transit of Joplin, Missouri, left the site at 5:30 p.m. and with an escort vehicle following, the irradiator drove to the New York City line and waited until midnight for a police escort to complete the journey to Jersey. The East River was crossed on the 59th Street Bridge, and the Hudson via the George Washington Bridge. After reaching Jersey, the rig was parked until dawn so that the Jersey transit could be made during daylight hours.

By noon on Wednesday, Harrisburgh had been passed, and at sunset on Friday the truck was parked for the weekend in Arkansas. On Monday morning travel was resumed, and the truck is due to reach its destination in Davis, California this evening. In all, ten states had been traversed, and ten separate permits had been secured for transit on state highways.

While at the University of California in Davis, the irradiator will be used in support of experiments to prolong the shelf life of fresh picked strawberries. After November first, the unit will be moved to Louisiana (if permission is forthcoming) and further experiments will be made at the Louisiana State University.

It has taken a lot of coordinated effort on the part of HIRDL, the BNL Shipping Department, and the BNL Motor Pool to accomplish the move of this so-called portable irradiator.

Portable Irradiator



Nazeer Husain, (left) a civil engineer in charge of construction for an AEC Facility in Lahore, West Pakistan, discusses food preservation by irradiation with Francis Rizzo of HIRDL. Strawberries are being given a low dose of radiation in order to extend their shelf life, by a portable truck-mounted irradiator that was installed and calibrated at BNL. —Humphrey

Stony Brook To Get 24-Inch Telescope

By late fall, astronomers at the State University of New York at Stony Brook will be studying the heavens through a new 24 inch telescope, the largest on Long Island and equal to the largest telescope in New York State.

The \$150,000 Cassegrain-Coude focus instrument is being built by the Ealing Corp. of Cambridge, Mass., and will be delivered in late October. It will be located in a small observatory building near the main campus at a site which is relatively free of ground light sources which interfere with celestial observations.

The telescope, the same size as one located at the University of Rochester, will be used to train astronomy students, to

conduct research into the evolution of young stars and to investigate the early history of the solar system.

The Grumann Aerospace Corporation will also use the telescope in joint studies of planetary atmosphere with several Stony Brook astronomers. The public will be invited to the observatory several evenings each year for an open house and public lectures.

Dr. Stephen Strom, head of Stony Brook's graduate program in astronomy, believes that the recent acquisition of a special computer and the upcoming purchase of accessory electronic equipment will give the University unexcelled facilities for the reduction of astronomical data.

BNL's Island Outpost



A long way from Brookhaven Avenue and Upton Road are Dr. Brown Dobyns and Mike Mikar of the BNL Medical team that is in charge of regular examinations of Marshall Islanders who were exposed to fallout many years ago. Main Street on Rongelap Island in the Marshall chain of the Pacific Ocean has a lot less vehicular traffic than BNL on a weekday morning. More pictures on page three of this issue. Photos by Humphrey

G. Cotzias Elected To Art & Science Academy

At the 190th Annual Meeting of the American Academy of Arts and Sciences, George Constantin Cotzias of the BNL Medical Department, was elected a Fellow of that organization.

In accepting membership, Dr. Cotzias said in a letter to the Secretary of the organization, "I am greatly honored by the decision of the Council and the Fellows of the American Academy of Arts and Sciences to elect me as one of their members . . . I am very happy to accept this unique honor."

The Academy, which has headquarters in Boston, was founded in 1780 by John Adams, and publishes *Daedalus*, and two other publications.

T.B. Lam To Lecture Tonite

Dr. T.B. Lam, Assistant Professor of History at the State University of New York at Stony Brook will give a talk on "The Origins and Nature of the American Intervention in Vietnam" tonight, Thursday, at 8:30 p.m. in the North Room of the Brookhaven Center.

This non-official talk is sponsored by the Vietnam Moratorium Committee and is open to all laboratory employees. Families and personal friends may accompany staff members on this occasion.

'72 Budget Completed



Budget Officer Henry Grahn finishes stacking the BNL Budget Request for Fiscal 1972 before it is delivered to the AEC in Washington. The '72 budget has been in the preparation stage since January of 1970, and was finished only hours before sending it to Washington. The original budget contains 1,268 pages, and with duplicates for use of various AEC departments totals to 44,275 pieces of paper.

Glennan Nominated To International Atom Group

President Nixon announced he is nominating T. Keith Glennan, a former member of the Atomic Energy Commission, to be U.S. representative to the International Atomic Energy Agency.

Mr. Glennan, 64 years old, from Reston, Va., will have the rank of ambassador in his new post. Mr. Glennan was president of what was then Case Institute of Technology at Cleveland for 19 years before going to the AEC in 1950-52. He took a leave of absence then from Case and another from 1958 to 1961 to be administrator of the National Aeronautics and Space Administration. From 1965 to 1968, he was President of AUI.

Mr. Glennan retired in May 1969 as assistant to the chairman of the Urban Coalition. On the International Atomic Energy Agency, Glennan will replace Henry DeWolf Smyth, whose resignation was announced last week.

Pre-Concert Dinner

The Brookhaven Center will be open for dinner on June 6th. If you would like to plan on having dinner before the Lionel Hampton concert, please call extension 2283 to make reservations.

M. Stanley Livingston Receives AEC Citation

Dr. Glenn T. Seaborg, Chairman of the Atomic Energy Commission, today announced that Dr. M. Stanley Livingston, Associate Director of the National Accelerator Laboratory at Batavia, Illinois, has been named to receive the Atomic Energy Commission Citation for his outstanding service in the Nation's atomic energy program.

The award, consisting of a citation and a medal, will be presented to Dr. Livingston by AEC Commissioner Theos J. Thompson at a ceremony in Chicago today.

Dr. Livingston is one of the outstanding authorities on accelerators in the United States today. In the early 1930's, as a research associate at the University of California, he worked with Dr. Ernest O. Lawrence on the world's first experimental cyclotrons. He has helped design and construct accelerators at Cornell University, Massachusetts Institute of Technology, Brookhaven National Laboratory and the Cambridge Electron Accelerator. He is now Associate Director of the National Accelerator Laboratory near Chicago where the 200 billion electron volt accelerator is under construction. The citation reads:

Citation

M. Stanley Livingston

For his outstanding contributions to the nation's atomic energy program as a pioneer in accelerator technology; for his inventive imagination in collaboration with Ernest O. Lawrence in designing and building the world's first experimental cyclotrons; for his leadership in the design and construction of cyclotrons at Cornell University and the Massachusetts Institute of Technology, 1934-1946; for his creative contributions to the design and development of the Cosmotron at the Brookhaven National Laboratory, 1945-1948, and for his major role in the discovery of the alternating-gradient focusing principle; for his continuing contributions in the field of education and scientific research as professor of physics at MIT since 1954, Director of the Cambridge Electron Accelerator, 1956-1967, and Associate Director of the National Accelerator Laboratory at Batavia, Illinois.

The Atomic Energy Commission Citation is presented to private individuals and employees of AEC contractors who have made especially meritorious contributions to or have been clearly outstanding in the nuclear energy program.

In 1944 Dr. Livingston was granted a leave of absence from MIT to work as a civilian scientist for the Office of Scientific Research and Development and for the Navy Department's Office of Field Service. He became chairman of the Accelerator Project at Brookhaven in 1946, directing the design work for the world's first large proton synchrotron, the 3-BeV Cosmotron.

Dr. Livingston returned to MIT in 1948 and became a professor in 1954. He now is Professor Emeritus. In 1956 he was appointed Director of the Cambridge Electron Accelerator, jointly operated by Harvard University and MIT. He resigned as Director of the Cambridge Accelerator in 1967 to accept his present position as Associate Director of the National Accelerator Laboratory.

While on summer leave from MIT in 1952, Dr. Livingston and two Brookhaven scientists, Dr. Ernest D. Courant and Dr. Hartland S. Snyder, discovered a new principle of magnetic focusing for accelerators, called alternating gradient or "strong" focusing. This new principle resulted in machines capable of much higher energies than were economically possible with earlier techniques.

Lecture By Art Conservator Cancelled Due To Illness

The AUI Distinguished Lecture scheduled for June 10, in Berkner Hall, by Joyce Plesters, has been cancelled. Miss Plesters, a widely known researcher in painting conservation and techniques, has advised the Lecture Committee that a sudden, serious illness of her husband has forced her to regretfully cancel her speaking engagement at Brookhaven.

Rifle and Pistol Club

A membership meeting of the R & P Club will be held on June 10, 1970, at the Recreation Bldg. No. 317 at 5:15 p.m.

Leasing of the indoor range, a field varmint shoot and outdoor pistol programs will be discussed.

Camera Club Exhibitors



Some of the BERA Camera Club members who exhibited in the recent show in the lobby of Berkner Hall were: (left to right) Victor W. Cohen, Ray Abbott, Shartel McVoy, J.W. Walker, Robert Conn, Ed Hageberg, Jorge Llacer, and Jim Petro.

Here and There

Claire Lamberti

Louis Remsberg (Chemistry) recently attended a meeting of the Technical Advisory Panel for LAMPF Users Group held in Los Alamos.

Joseph D. Yourno (Biology) recently participated in the Histidine Workshop at the National Institutes of Health in Bethesda, Maryland.

Howard J. Curtis (Biology) recently participated in the meeting of the NIH, National Institute of Child Health and Human Development, in Washington, D.C.

J.E. Denes (Applied Math) was an invited speaker for a panel discussion entitled "Dissemination of Information, Codes," and **Y. Shimamoto** (Applied Math) chaired a session at a recent AEC Computer Information Meeting held in Washington. On the day before the meeting, **Y. Shimamoto** attended a meeting of the AEC Mathematics & Computer Sciences Research Advisory Committee on which he currently serves as Chairman.

Richard Ragaini (Chemistry) presented a paper, entitled "Study of the Decay of 17.8-min ⁸⁸Rb," at the Spring Meeting of the American Physical Society held in Washington, D.C.

BNL Theatre Group Annual Meeting

Monday, June 15, 8:30 p.m.
At the Theatre

This business meeting will include presentations from the selections of our Advisory Committee. Voting will take place for our next season. Presentations will be made by members of the Advisory Committee.

In addition, elections will be held for officers in the Theatre Group. The slate of officers submitted by the Nominating Committee are as follows:

- President - Robert Kinsey
 - Vice President - Tony Nappi
 - Secretary - Barbara Stroh
 - Advisory Committee - Pat Towey
 - Program Committee - Joe Nardi
 - House Committee - Bruce Martin
- Nominations will be accepted from the floor for any of the above positions.

French Group

The next meeting of the French Group will be held on Monday, June 8, at 8:30 p.m. in one of the small rooms of the Cafeteria-Conference Center. Plans for the summer and next season will be discussed. A short program of French folk songs with guitar will be presented by Miss Shelley Handler. Refreshments will be served.

LIONEL HAMPTON - JUNE 6



Doors Open at 8 P.M.



Last Chance To Get Tickets
Either at the Recreation Office
or at the Box Office Before the Show

Don't Miss Another Glorious
BERA SPECIAL



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Brookhaven National Laboratory

CARL R. THIEN, Editor
CLAIRE LAMBERTI, Editorial Assistant

40 Brookhaven Ave. Upton, N.Y. 11973
Telephone 516 924-6262 Ext. 7238

NORBERT J. DERNBACH
Public Relations Officer

Arrivals & Departures

Arrivals

Theophilus A. Gray Medical
Herbert J. Langenbach Physics
Christopher Misciagno Medical
Peter G. Puliatti Accelerator

Departures

Richard C. Amari Mech. Eng.
Mendel Beer Applied Science
Peter J. Clarke Accelerator
Bernard J. Durman Mech. Eng.
George R. Hardman Applied Science
Mehendra P. Jamuar Medical
Theodor Korsos Instr. & H.P.
Thomas A. Marrion P.E.P.
Thomas Nelson S.&M.
Roy L. Schult Physics
Peter Soo Applied Science
Joel W. Spinner Accelerator
Herman Stoll P.E.P.
Karl J. Thomas Central Shops
Timothy E. Toohig Accelerator
William J. Tunney Applied Science
Chih-Cheng Wang Biology
Roland Wilson, Jr. Applied Science

Good-Bye From The Group

So long dear Center Crew,
we will miss you people so
It's been a long, long friendship,
And we hate to have you go
We will miss each one of you,
in the days to come
The memories of the laughter,
will never pass for some
Helen, who so gracefully,
drops dishes on the floor
Who sweetly tossed the salads,
right through the kitchen door
Marion, so dependable,
who with strong and steady hand
Has catered to our little group,
and made our lunches grand.
Mollie, who whispers a risque story,
into Joe's ear
So he has to re-tell it,
so all can hear
Ellie the sandwich lady,
and Sam's good right hand girl
Always has a smile for us,
and brightens up our world.
Last of all is good chef Sam,
he's always on the scene
We dig soul food Sam,
but lasagna and collard greens?
So we must say good-bye,
to all those days of yore
We will miss you all so dearly,
and the dishes on the floor.

*Irwin and The Group
(With help from Marvin the Poet)*

Cafeteria Menu

Week Ending June 11, 1970

Friday, June 5	
Clam & Celery Bisque	
Fried Stuffed Flounder w/Tartar Sauce & 1 Veg.	.80
Braised Meatballs in Veg. Gravy on Rice	.80
Broiled Halibut w/1 Veg.	.90
Monday, June 8	
Vegetable Soup	
Baked Ham w/Pineapple Sauce & 1 Veg.	.85
Spaghetti w/Italian Meat Sauce & Tossed Green Salad	.90
Beef Liver & Bacon w/1 Veg.	.85
Tuesday, June 9	
Puree of Split Pea Soup	
Roast Round of Beef & 1 Veg.	.80
Chicken Pattie w/Cream Sauce & 1 Veg.	.80
Frankfurter w/Baked Beans & Potato	.70
Wednesday, June 10	
Chicken Gumbo Creole Soup	
Broiled Link Sausage w/Apple Sauce & 1 Veg.	.80
Corned Beef & Cabbage w/Boiled Potato	
Filet of Sole w/Tartar Sauce & 1 Veg.	.75
Thursday, June 11	
Cream of Corn Soup	
Veal Pattie w/Tomato Sauce & 1 Veg.	.85
Roast Turkey w/Cranberry Sauce & 1 Veg.	.80
Chili Con Carne on Rice	.65

After a commercial plane to Honolulu and an Army plane to Kwajalein, the team boarded the Hafa Adai (background) for the trip to Rongelap. A stormy voyage on the converted net tender made everyone happy to be in the whaleboat bound for shore.

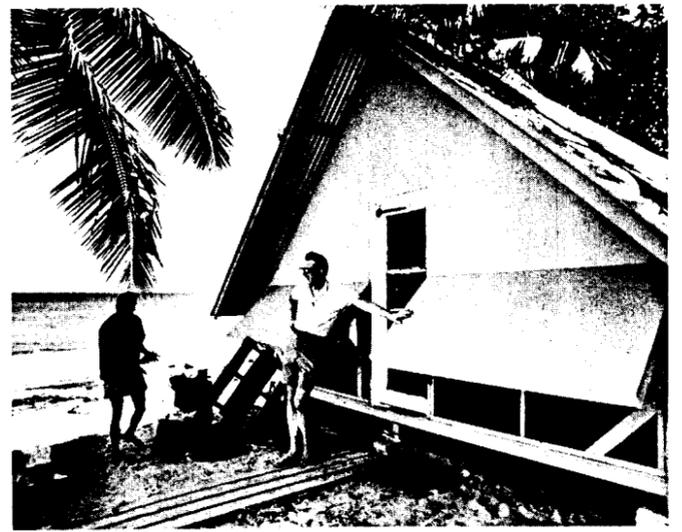


Medical Department in the Pacific



A 30-Kv generator supplied by BNL is started each year as soon as the Medical crew arrives for its annual tour. Doug Clareus is the lighting expert who gets the generator running.

Relatively luxurious is the way the natives view this A-frame hut that the Medical team sleeps in during their stay on Rongelap. The sides are screened for maximum ventilation on this hot Pacific Island.



Photos by Humphrey

Each youngster as well as the adults of the island population gets a routine physical examination when the Medical team arrives for its yearly visit.



Dr. Robert Conard, in charge of the BNL team, examines an inhabitant. The older woman to the right is patient Number One, and holds a high position in Island management. Most of the islanders sleep under their houses as much as possible to take advantage of the coolness in the shaded areas.

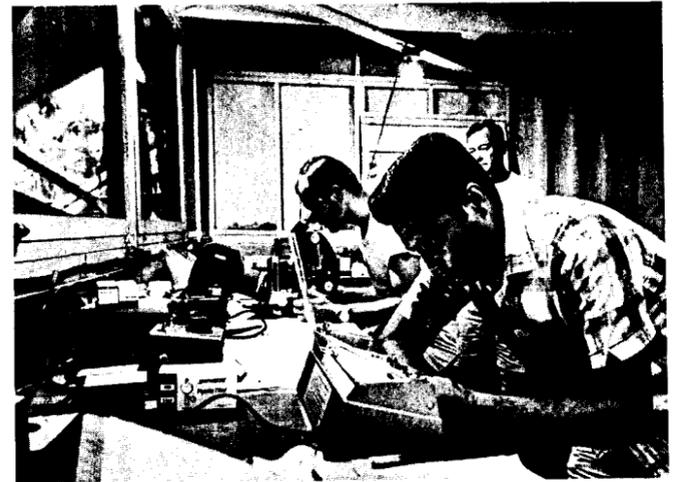
The medical team is feted each year with a feast given by the Island inhabitants. Turtles are caught in the ocean and roasted for the benefit of the entire community who turns out for this affair.



Dr. Kanti Rai examines a baby during the regular sick-call that is held each morning while the team is in residence on Rongelap.



In the examination trailer Dr. Conard examines a young man as part of a complete physical for each of the inhabitants who were exposed 16 years ago.



In the modern lab of the dispensary building, Mike Mikar and Sebjo Shoniber do hematological examinations as Dr. Conard looks on.

These two youngsters lean on a packed trunk as they watch the Medical team get ready to leave the Island at the conclusion of the regular visit.



In addition to Rongelap, several other islands were visited for "walking tour" examinations of the inhabitants.



Bill Scott uses a walkie-talkie to contact the ship as the team supplies are packed and ready on the beach at the end of the annual visit. Until next year the generator is shut down and the lab and dispensary is closed. The BNL Medical Team will not return to its Island Outpost for another year.

Soccer

M.T. Hutchings

BNL 4 Vs. ASL Old Timers 4 (2-3)

A cloudy Saturday afternoon on May 23rd saw the first exhibition game played at Brookhaven. Our visitors were a team of American Soccer League players of yesteryear augmented by a few suspiciously young present-day players. The game was delayed an hour by the late arrival of our opponents and we lent them two players to make the sides equal.

Disaster struck in the opening minutes when we found ourselves two goals down, both scored by the ASL center forward, a one-time Chelsea player. The first came from a defensive misunderstanding, and the second from a dangerous lob down the center which was scrambled home. However, we were not to be disheartened and with Hubberstey and Cox helping to dominate our midfield play we restored our morale with a neat lob by guest-player Preece to make it 1-2. A few minutes later another defensive tangle saw the ball sliced into our own net in an attempt to clear. Nevertheless, the game had been quite even territorially, and several shots came close at the other end before a defender fisted the ball over the bar with their keeper well beaten. Hubberstey scored from the spot, and at half-time it was 2-3.

The second half found us gradually gaining the upper hand although the ASL team went further ahead when their left-winger mis-hit a good cross past Cantera. We didn't have to wait long until Alo-Nielsen met a beautiful center by Batchelor on the volley to put us back in the running. Then a defensive tangle in the ASL goal area let in Batchelor to hit a loose ball home in great style. In the last ten minutes four shots narrowly missed the ASL goal, but all-in-all a tie was a fair result to a fine game. Thanks are due to John McCafferty for arranging the game, and for refereeing after an injury (sustained at work-out soccer!) prevented him from playing.

On Monday, 25th May, the second series of games in the inter-department leagues was played outside in damp conditions. D.A.S. went further ahead, maintaining their unbeaten record, with 4-1 and 2-1 wins over Chemistry & Medical, and Physics, respectively. Physics chalked up their win with a convincing 5-1 victory over Chemistry & Medical.

The league will be played on Mondays, and all who come along at 5:30 may join in. Summer visitors welcome. A few more matches are being arranged against outside teams, as we now have more players wishing to play than we can accommodate in one match.

Rainbow Tournament

The post-season bowling tournament was held at Port Jeff Bowl on May 26. The Officers, Representatives, and Secretaries of the four bowling leagues took part in the battle. When the last pins had fallen the officers in charge announced that the Officers had won. Bob Eberbach, who rolled the only 500 series of the evening (539) accepted the high series honor with humility as he pronounced that he had "carried" the rest of the Officers all the way.

The 69-70 bowling season is over. The new President of the Bowling Board, Vinnie Felice, will now take the reins. Give him your support for a striking 70-71 bowling season.

A Clean Ship Is A Good Ship

Are you carrying too much ballast? Have the barnacles joined you on the bridge? If that is the case, be of good cheer for help is near.

The Supply & Materiel Division annual "Housecleaning Week" begins June 22. During that time we offer the use of our personnel to facilitate your return to a ship-shape status. Obsolete or unused capital equipment is as useless as a broken rudder, but the equipment can be of considerable value if put to use where needed.

The Property Management Section of Supply & Materiel Division will arrange transfers, loans, and act as sea lawyer in any boat swapping between departments. Reach for your binoculars and take a L-O-N-G look around at your equipment and supplies, and like Columbus, make your discoveries. Charted courses and telephone numbers for your ship-to-shore communications will be made available in the next edition of this publication.

Classified Advertisements

Positions Available

The Brookhaven Bulletin each week will list job openings which have come to our attention and may be of interest to Lab employees. Each listing will be repeated (if still available) only once.

ELECTRICAL ENGINEER - (Power Supply Specialist) Stanford Linear Accelerator, Stanford, California.

ELECTRONICS TECHNICIANS - Accelerator Dept., BNL.

ENGINEER OR SENIOR TECHNICIAN with nuclear electronic instruments experience - Isotopes, Inc., Westwood, New Jersey.

BIOLOGY ASSOCIATE (B.S. or B.A. in biology or chemistry) - Biology Department.

For further information, please contact Employment Supervisor Ext. 2109 or 2513.

Autos & Auto Supplies

SHOP MANUAL - The Complete Official Sprite/Midget by Bentley, brand new. \$8. Dick, Ext. 7201.

69 VW - Like new, 10 mos old, 11,000 mi. \$1875. F. Folde, Ext. 567, 727-6437.

67 CHEVELLE SS 396 - 4 spd, 325 hp. \$1700. John, AT6-8637.

2-7.75x14 SNOW TIRES - 1 yr old. \$15. Don, Ext. 657.

63 FORD COUNTRY SQUIRE STATION WAGON - V8, auto trans, needs valve job. \$75. Papa, 871-7595.

64 CHEVY IMPALA 4 dr hdtp, V8, ps/pb, 58,000 mi, good cond, avail 7/1. J. Gilat, Ext. 2560, 286-3687.

61 JAGUAR MK IX - Good for parts. \$150. Charlie, YA4-6343.

1947 PLYMOUTH CLUB COUPE - Ser. #15425802, 58,000 mi, excel cond except for paint, all orig, no changes. \$300. A. Wisowaty, Ext. 2407.

66 VALIANT - 4 dr, 225 cu in 6, std trans, 55,000 mi, white, avail 6/20. \$700. J. Olson, Ext. 441, 289-1463.

61 CHEVROLET GREENBRIAR SPORT WAGON - Maroon, lg roof top carrier, platform needs minor work. \$200. A. Wisowaty, Ext. 2407.

69 VW - Am/fm radio, eng lock, bumper guards, leatherette upholstery, under warranty. \$1675. 751-3835.

69 MGB ROADSTER - Blue, luggage rack, radial tires & excel cond, approx 5000 mi. Asking \$2350. R. Whisker, Ext. 2549, 212-454-1368.

64 CHEVY II NOVA - 6 cyl, 4 dr sedan, std trans, r/h, snows, reliable, good body, avail June 24, owner leaving country. \$350. M. Lancefield, Ext. 7411.

62 MG MIDGET - Red, must be seen, custom int; new top, brakes, Michelin X tires, paint, rebuilt eng. \$700. J. Peterson, Ext. 2478, SH4-2774.

65 RAMBLER AM STATION WAGON - 47,000 mi, clean, 25 mpg, excel cond. \$600. Ext. 7658, 744-9699.

69 JAVELIN SST - V8, air cond, auto trans, ps, am/fm radio, console, vinyl top, more. \$2200. Hulak, Ext. 560, 732-2248 after 6.

66 FORD GALAXIE 500 - 4 dr, 289, cruismatic, full pwr, new tires, brakes & shocks, 54,000 mi. \$900. J. Rapp, Ext. 7586.

65 VW SQUARE BACK - Good cond, good tires. \$950. C. Cantera, Ext. 2750/7782.

62 STUDEBAKER HAWK - GTO 4 spd synchromesh, full instrument panel, mech good. E. Reilly, Ext. 7586, AT6-1192 after 6.

2-14" RIMS - For Ford Fairlane '62-'67, Comet '63-'68, Mustang '65-'67. \$5. Bert, Ext. 425.

63 CHEVY NOVA II - Reasonable cond apart from water pump. \$125. Thornber, Ext. 2351, 878-2342.

62 CHEVY II - Auto trans, new batt, good tires. Sacrifice, \$100. Marimuthu, Ext. 7203.

2-14" WHEELS - W/worn snow tires. \$3 ea. Shea, Ext. 7411.

59 OLDS - V8, ps/pb, very good body, needs valve job, or good for parts. \$25. F. Folde, Ext. 567, 727-6437.

Boats & Marine Supplies

12' OUTBOARD RUNABOUT - Fiberglassed hull, seats 4 adults, fine cond. \$100. 585-8322.

MARINE GASOLINE STRAINER - Wilcox-Crittenden, cast brass, size 1 1/2, w/supporting bracket. \$12. Ext. 2313.

16' SCOTTIE CRAFT EXPRESS CRUISER - Fiberglass, w/trailer & 40 hp Evinrude elec start. 928-2954.

14' PENN YAN RUNABOUT - Good cond, steering wheel. \$50. A. Wisowaty, Ext. 2407.

HATCH TRIM - Cast alum, T bar shape for hatch, approx 5'x2 1/2', easily cut for smaller hatch. \$8. Ext. 2313.

14' SHARPY - Excel cond, \$75; 1967-9 1/2 hp Johnson outboard motor, excel cond, \$185. A. Wisowaty, Ext. 2407.

17' BARBOUR - W/50 hp outboard, 18 gal gas tank, ready for the water. \$450. Leroy, Ext. 560.

18' OWENS RUNABOUT - Fiberglass, 75 hp Johnson outboard, Tee Nee trailer, excel cond. \$995. 744-3807.

17' SAILBOAT (SNIPE) - \$150; 7 1/2 hp Scott outboard motor, \$40; boat trailer, \$45. Ext. 445.

Miscellaneous

COFFEE TABLE - 42" round, mink walnut. \$30. J. DeLettera, Ext. 2357, PA7-2668 after 6.

2 PC SECTIONAL COUCH - Modern, w/walnut formica corner table attached. \$50. J. DeLettera, Ext. 2357, PA7-2668 after 6.

DINING RM TABLE - W/leaf, \$50; china cabinet, \$65; buffet, \$55; or \$150 for all. AT6-8517 after 5:30.

8 MM ARGUS M-3 MOVIE CAMERA - Triple turret lens, photoelectric f-stop control, w/filters & case. \$25. Dick, Ext. 7201.

SINGER PORTABLE - Model 404 slant needle sewing machine, incl button holer. \$50. E. Willen, Ext. 7308.

STEREO - AR turntable, w/ADC 10/E cartridge. \$90. Sam, Ext. 7208, 585-1759.

STEREO - Citation series by Harmon-Kardon, MPX tuner, preamp, 240 watt pwr amp. Orig \$900, sell \$200 w/stand. Sam, Ext. 7208, 585-1759.

16' TRAILER - Sleeps 5, self-contained, for rent. \$95/wk. Sal, Ext. 573, 475-6484.

REESE HITCH - W/equalizer bars installed. Sal, Ext. 573, 475-6484.

MESH PLAYPEN - \$6; gowns, full length, pink crystal-lette, peach chiffon, worn once, size 11, \$6 ea. 289-1754.

30"x10' POOL - Used 2 seasons, filter used 2 mos, ladder & chem. \$40. W. Powell, Ext. 567, 732-5216 after 5.

SCOTT LAWN SPREADER - \$5. Papa, 281-7595.

HOT WHEELS TOY CAR RACE SET - Excel cond. 2 sets avail, super-charger or stunt set. \$6 & \$4. Bob, 744-5096.

REFRIGERATOR - Norge, modern 8 cu ft, fine working cond. \$45 (No del.). 585-8322.

1911 WALL PHONE - Excel cond, \$55; 4-lite crystal chandelier, \$35; 2-lite crystal wall sconce, \$8. 475-4992.

FURNITURE - Twin beds, high riser, recliner, dinette set, washer, odds & ends, all good cond & reasonable, avail 7/1. J. Gilat, Ext. 2560.

SEWING MACHINE - Singer elec w/cabinet, good cond. Bargain, \$25. A.D. Style, Ext. 2588.

DEEP FAT FRYER - \$3; roto broil 400, \$5. Ext. 7801.

3 DRAWER VANITY - Bench & mirror, \$15; Royal portable typewriter, \$20; child's stroller, child's table & 4 chairs, \$5. Ext. 7801.

BLACK & DECKER ORBITAL SANDER - \$15; Wollensak T-1500 tape recorder, \$15; Garrard RC88 auto record changer, \$15. Ext. 7801.

EMENEE ORGAN - \$15; blaze child's horse, \$10; doll house, \$5; full size mattress, \$10. Ext. 7801.

MORSAN'S COTTAGE TENT - Roomy 9'x13', 2 rms, sleeps 8, lt wgt pima cloth, plus 9'x12' sun rm, excel cond. \$125. Tony, Ext. 2430.

INTERNATIONAL FARMALL SUPER H - 4 cyl, narrow front end, 5 spd fwd Ottawa front end loader w/ snow extensions on good rubber, compl hydr system, excel cond. \$1000. A. Wisowaty, Ext. 2407.

STEREO TAPE RECORDER - Wollensak, wooden cabinet, reel to reel, 1 yr old, excel cond. \$95. 286-8119.

TRAVELING SPRINKLER - Evrrain, lg drum type, reels up hose as it travels. \$15. Ben, Ext. 2588.

OLIVER FARM TRACTOR - 6 cyl, wide front end, 6' high on good rubber. \$150. Ext. 2407.

BEDRM SET - French Prov, bed stead w/backboard, 2 night tables, dresser w/lg mirror, high boy. \$125. F. Stapel, Ext. 481.

BABY CARRIAGE - Bilt Rite, converts to car bed, wheels fold for traveling, good cond. \$30. Ext. 7658, 744-9699.

CAMPING EQUIP - Very good cond, sleeping bag, air mattress, alum stand, catalytic heater, port toilet, folding able. 281-4419.

GARAGE SALE - June 5-6. 10 a.m., 175 Grove Ave, Patchogue street off Plaza Theatre. Ext. 2928.

9'x12" OVAL BRAIDED RUG - Newly cleaned, in storage, 1 1/2 yrs old. \$25. Hodge, Ext. 574, JU8-7211.

MOVIE CAMERA - Keystone Capri Dual Set Lens, 8 mm, daylight, color film, weather adjustments, leather carrying case w/strap. \$10. Hodge, JU8-7211.

SEARS CRAFTSMAN LAWN MOWER - 2.75 hp crank motor, 18" cutting width, blade needs to be attached to drive mechanism. \$15. Hodge, JU8-7211.

IMPORTED REVERSIBLE RUG - 12'x12", w/pad, new, freshly cleaned. \$150. Ext. 360.

LAWN MOWER - Yardman 21" rotary, safety clutch. \$25. Bert, Ext. 425.

RCA VICTOR TV - Good cond. \$20. Thornber, Ext. 2351, 878-2342.

WASHER & DRYER - GE top of line, \$225; Air cond, GE 7000 BTU, \$125. Michelle, 286-3375.

ROSEWOOD UNIT - Free standing, w/alum poles, consists of 2 shelves (32"x12"), 1 record cabinet, mounting hardware. excel cond, best offer. 286-3742.

Real Estate

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

For Sale

2 LOTS - Flanders, 1-100'x180', 1-100'x200'. M. La-Rosa, 727-0477 after 3.

N. PATCHOGUE - Summer bungalow, 4 rms plus lg front screened porch, must be moved from property. GR5-8330.

SOUTHAVEN (BROOKHAVEN) - Immaculate custom built ranch, carpeted liv, din, fam rms, eat-in kitchen, 3 bedrms, 1 1/2 baths, att garage, landscaped, 6% mort. R. Dietz, Ext. 623, 286-8446.

For Rent

FURN HOUSE - Brkhvn, spacious, 5 bedrms, 3 baths, attractive location, avail 8/25/70 to 8/23/71. Lacks, Ext. 359, 286-0002.

FURN HOUSE - E. Patchogue, 3 bedrms, study, sun porch, fenced-in yard, 1 mile from G.S. Bay, avail 6/22/70 or 9/1/70 to 8/31/71. \$300/mo. J. Olson, Ext. 441, 289-1463.

FURN HOME - 3 yr old ranch, 3 bedrms, 2 baths, den w/fireplace, 2 car garage, pleasant lot & location in Brkhvn hamlet, avail 9/70 to 9/71. T. Kitchens, Ext. 7396, AT6-3662.

BELLPORT VILLAGE - Gracious unfurn house, convenient to shopping, 4 bedrms, 2 baths, full kitchen appliances. \$300/mo. From 8/1/70 for 1 or 2 yrs. Borg, Ext. 2924, 286-0428.

8 RM HOUSE - June 22-July 19, screened-in porch, lg yard, 1 cat to feed, on the cool South Shore in Brkhvn Hamlet. AT6-9257 eves.

SUMMER RENTAL - 4 rm cottage in Reeves Park, Riverhead, 2 blocks from beach on LI Sound. \$400/mo or \$750 for summer. F. Folde, Ext. 567, 727-4761.

Wanted

TRAILER FOR SM BOAT - In good cond. 585-8322.

SMALL MOTORCYCLE - Approx \$50. Chester, Ext. 7642.

DRESSMAKING - Custom order work, daytime, eve & bridal, priv instructions avail. Millie, 878-1540.

BOBBSEY TWIN BKS - Vols 14 & up, reasonable. J. Curtiss, Ext. 371.

OLD ENGLISH COINS - Pennies, 1/2 pennies, etc. Whitey, Ext. 2179.

TREE REMOVAL - Will do chain saw & grounds, home maint, painting, etc., free estimate. Bob, 732-9517.

STUDENTS - Jr high thru college, to be tutored in your home in any of the sciences or math by qualified Ph.D. & teacher. Fee \$4/hr. Jerry, Ext. 2715, 281-7840.

MOTOR-GENERATOR SET - Approx 1000 watts, for use in house trailer. 751-3835.

PEOPLE INTERESTED - In group air fares to Europe for summer of '71. D. David, Ext. 7525, 286-2267.

FURN APT OR HOUSE - For visiting physicist & wife (no children or pets), needed June or July thru Aug. Gibbard, Ext. 2563.

14" WHEEL FOR CHEVROLET - M. Strongson, Ext. 2727.

DEHUMIDIFIER - Good cond, reasonable. Claire, Ext. 2131.

Carpools

JOIN OR FORM CARPOOL - Blue Point or Bayport. E. McFadden, Ext. 2592.

DRIVERS WANTED - To compl existing 2-member carpool from Riverhead area. Pat, Ext. 7691.

Lost & Found

LOST - Charm bracelet, BNL 20 yr charm plus foreign coins, sentimental value, reward. M. Galli, Ext. 2246.

Classified Ad Policy

Deadline is 12 noon Friday for publication the following week.

- The Brookhaven Bulletin'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.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Firearms offered for sale or trade may not be brought on site.

- Ads not carried because of space restrictions will be held for publication in the next issue.
- Ads are run only once and must be resubmitted if they are to be repeated.
- Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employees signature.

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

Ads concerning property for sale or rent cannot be accepted on this form. Special Real Estate Ad forms are available at the Office of the Brookhaven Bulletin, Room 112, 40 Brookhaven Avenue.

(Name & Phone No. To Call)

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