



Dave Hurt (left), President of the Manor General Contracting Company, reviews plans for painting Building 462, which houses the Light Machine Shop, with Bob Lehn, (center) Machine Shop Manager and Pete Mercier, Plant Engineering.

Small Business Gets A Chance

Five years ago, Dave Hurt, President of Manor General Contracting Company, probably would not have dreamed of bidding for a construction contract at Brookhaven National Laboratory.

Today, not only has he been awarded a contract but he is learning all the ins and outs of bidding so he will know how to bid for future contracts. On February 24, Hurt's company, which consists of two other painters besides himself, started painting the interior and exterior of Building 462.

Like most minority-owned and operated firms, Manor General is small and has found it hard to compete with larger com-

panies for contracts. Most of these firms do not have the experience or paper "know-how" to apply for bid packages. They are not familiar with the intricacies of the bid forms and the "small print" in the contract documents. Because of this, many of the minority-owned firms tend to shy away from the complexities and the mind-boggling aspects of bidding for a government construction contract.

In 1972, a unique program was instituted at BNL by the Purchasing Division as part of the Affirmative Action Program. The Program was designed to assist, inform and educate minority construction firms in the intricacies of bidding, establishing eligibility for bonding and performing federally-funded construction work. The master mind of the program and the person responsible for getting it on its feet is Bill Rogers, EEO Compliance Officer for Construction Purchasing.

Through this program, the Laboratory can engage potentially qualified minority firms in demonstration projects for the purpose of counseling and developing them to become fully qualified sources who can be solicited to compete with other firms on an equal basis.

The first contractor to be hired through the program was Modernized Building Corporation in 1972. They remodeled the interior and exterior of the Purchasing Division. Since then, 14 other contracts have been drawn up by BNL with minority-owned construction firms.

Math Whizzes Stand Up And Be Counted

Can you add 3,498 and 4,568 and 5,986 faster than an electronic calculator? Chiaki Fujikawa, a computer scientist at Lawrence Livermore Laboratory, can.

Fujikawa is the President of the American Abacus Association and will match the ancient abacus against a calculator any time. Calculator-versus-abacus races have been staged annually in Japan since 1953 and the abacus has never lost.

Such a demonstration at Open House '75 would be a great crowd pleaser. Anyone willing to be a "Math Whizz" and stage calculator versus abacus or mind races contact the Public Relations Office at Ext. 2345.

Highlights Available

Brookhaven Highlights, a review of the research done at the Lab from July 1972 through June 1974, is now available for BNL employees in the Technical Information Division of the Research Library. Copies of the bi-annual report can be obtained by calling Bronnie Orlowski at Ext. 3484.

Open House '75 Times Set

The Laboratory will be open to the general public on Saturday, May 17 and Sunday, May 18. On these days the gates will be open for admittance from 9 a.m. until 3 p.m. All exhibits will be open until 4 p.m.

BNL Lecture Explores New Frontier

Bernard Manowitz, DAS, will deliver the 126th Brookhaven Lecture on Wednesday, April 2, at 8 p.m. in Berkner Hall. The lecture will focus on the Coastal Shelf Oceanography Program at Brookhaven.

Manowitz has had a long interest in research pertinent to the environment. His initial efforts from 1944 to 1946 in Oak Ridge included research on methods for preventing the release of radioactive xenon and krypton into the atmosphere.

He came to Brookhaven in 1947 and was responsible for the design and construction of the Brookhaven radiochemical waste disposal system. Research on the behavior of entrainment in evaporators led to the design and construction of the BNL Waste Evaporator which has served as a prototype for many such evaporators in the nuclear industry. From these efforts grew an interest in waste utilization, particularly the concept for finding a use for intense radiation fields associated with radiochemical waste products.

Manowitz initiated a series of programs involving biological and chemical application of intense radiation fields ranging from studies of the destruction of bacteria in medical supplies and food to radiation induced polymerization. These programs led to the construction and operation of the High Intensity Radiation Development Laboratory. Several of these programs have been successfully transferred to industry. The breadth of this effort also led to programs in material development (concrete polymer program, mine roof support program).

In the recent past Manowitz has been more directly concerned with environmental research. His work has included studies of rates of oxidation of SO₂ in power plant plumes and studies on the origin of sulfur compounds in the stratosphere.

Manowitz's administrative responsibilities at the Laboratory have increased; in 1960 he was made Associate Head of the Chemistry and Chemical Engineering Division; in 1962 he was made Head of the Radiation Division in the Department of Applied Science. At the present time, he is Associate Chairman Environmental Programs of the Department of Applied Science.

His most recent efforts are in organizing and coordinating a program in coastal oceanography at the Laboratory.

Mr. Manowitz has a BS degree in Chemical Engineering from Columbia University.

Coastal Oceanography - A New Frontier for Brookhaven

The Brookhaven National Laboratory Oceanographic program is designed to assist ERDA in evaluating the environmental impact of energy related activities in the Atlantic coastal zone. It is pertinent to such problems as off-shore siting of nuclear reactors, off-shore drilling and other anthropogenic disturbances to the coastal ecosystem.

Very little is known about hydrodynamic transport and diffusion processes in the coastal zone so that at the present time predictions as to the fate of releases are ex-

tremely uncertain. The objective of the BNL coastal hydrodynamic program is to gain such an understanding both by conducting experiments to validate analytical models and by providing a credible and reliable data base from which numerical models can be validated. The objective will be accomplished by carrying out intensive surveys of coastal boundary layer transects supplemented by surveys of transects across the continental shelf and supported by appropriate meteorological measurements.

A second objective is to obtain a broad understanding of the processes controlling productivity on the coastal shelf and to evaluate potential anthropogenic disturbances.

Many questions arise concerning primary productivity and its control: to what extent do shelf nutrients come from the deep ocean and to what extent from continental runoff? How do the major plankton groups compare as agents of mineralization of labile organic matter and detritus? To what extent are bottom sediments a source of nutrients and what is the rate of release of nutrients from bottom sediments?

Answers to these questions are being sought in a series of experimental studies being carried out in the New York Bight.

The one segment of the marine population that is most susceptible to damage both by entrainment in heat exchangers and by oil pollution is fish eggs and larvae. It is of importance to better understand natural fish mortality processes so that man-induced environmental changes can be better evaluated. Coordinated with the other programs described, is a two part study of fish mortality consisting of a detailed survey of



Bernard Manowitz

fish egg and larvae distribution in the New York Bight and a study of critical natural conditions for larvae survival.

Most of our environmental problems occur at the systems level of complexity. It should eventually be possible to use a family of systems models as a guide to the understanding of dynamics and to the prediction and management of perturbations of marine coastal areas.

A buffet supper will be served at the Brookhaven Center before the lecture, starting at 6 p.m. Reservations should be made in advance by calling Ext. 3541 before 5 p.m. Refreshments will be available in the lobby of Berkner Hall immediately after the conclusion of the lecture.

A Seedy Tale Of Success

One day soon, the people of Brazil will get their first taste of the sweet red flesh of the "Star Ruby" grapefruit, which had its humble beginnings at BNL. Star Ruby seedlings, brought to Brazil in October 1974, are thriving and an abundance of the fruit is expected in the near future.

Close to 15 years ago, a Texas citrus grower decided to "speed up Mother Nature" and sent several thousand grapefruit seeds to BNL for irradiation. Six of these seeds produced a relatively seedless red grapefruit, and the one that consistently produced the most seedless fruit became the propagator for the Star Ruby. It is firmer than ordinary grapefruit, making for easier sectioning and squirt-less eating. The sweet juice is not too different in appearance from tomato juice.

In the spring of 1959, 32,000 Star Ruby seeds were planted in Texas. Buds from the (Continued on page 2)

Mid-Atlantic Oceanography

Last week, members of prominent oceanographic institutes in the Middle Atlantic region gathered at BNL to participate in two workshops that focused on the biological and physical oceanography of the Middle Atlantic coastal waters.



Bill Boicourt, of the Chesapeake Bay Institute, discusses current velocity in the waters of the Atlantic Shelf in the area of Chesapeake Bay. His was one of several talks presented at the first of two oceanography workshops hosted by the Department of Applied Science last week. The workshop was organized by Bob Beardsley of the Massachusetts Institute of Technology.



During the second of the two workshops, Jerry Schubel, of the Marine Science Research Center at SUNY, Stony Brook, examines the characteristics of solids suspended in the continental shelf waters off New York and New Jersey. The workshop, organized by Bernard Manowitz, Associate Chairman Environmental Programs, DAS, focused on food chain dynamics and productivity in the coastal shelf waters around New York.

NOVA Presents The Crab Nebula

On Sunday, March 23, at 7:30 p.m. on Channel 13, NOVA will present "The Crab Nebula," seen for the first time in 1054 AD by Chinese astronomers. What they actually saw was the explosion of a star that was bigger than our own sun. That explosion, which lit the sky even in daylight for over three weeks, created the Crab Nebula. If you miss the March 23 showing, the same program will be repeated on Tuesday, March 25, at 8:30 p.m. on Channel 21.

For centuries astronomers forgot about the explosive star the Chinese had seen. Then they discovered the Crab Nebula - the nebula that was created when the great star exploded.

From 1899 to now the Crab Nebula has grown. And it is continuing to grow - at 800 miles a second. Astronomers now know that the Crab Nebula is the greatest source of radio waves and x rays in the sky. And they believe that they have identified the tiny neutron star in the center of the Nebula that is the fantastic source of all the Nebula's energy.

Reports Available

The following reports are now available to the Laboratory Staff and to affiliates of the ERDA, AUI and BNL. Others may purchase it from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22161. Staff members should call Ext. 3484:

BNL 50435 \$5.45
Neutron and Gamma-Ray Production Cross-Sections for Nickel. October 1974
M.R. Bhat

BNL 50439 \$4.00
Evaluated Neutron Cross Sections of ¹⁹⁷Au.
S.F. Mughabghab, A. Prince, M.D. Goldberg,
M.R. Bhat and S. Pearlstein

Arrivals & Departures

Arrivals

Steven M. D'Ambrosio Biology
Chen Lee Manns Medical
Alois M. Wallner Health Phys. & Safety

Departures

None

Upton Nursery School

The Upton Nursery School is now accepting applications for enrollment in our September classes.

Our school is a cooperative nursery school for 3 and 4 year old children of all Laboratory employees. Those residing on or off site are welcome.

The children attend school 2 or 3 mornings a week and participate in a varied program including art, music, outdoor activities and field trips.

Our teachers are professionals, and our classes are small enough to give each child individual attention. Parents cooperate in the running of the school and assist the teachers at each session. This enables us to keep our tuition fees low.

For further information regarding our school please call our enrollment chairman, Anne Garrett 286-1825.

CREF Unit Values

1974			
January	\$40.75	February	\$40.83
March	39.32	April	37.58
May	35.11	June	34.29
July	31.71	August	29.09
September	25.39	October	30.27
November	29.23	December	28.35
1975			
January	30.67	February	32.80

Former BNL Physicist Is Honored by NSF

Paul Craig, a former member of the BNL Physics Department, has received a Meritorious Service Award from the National Science Foundation. He was cited "for his outstanding contributions to the Foundation's pioneering program in energy conservation and supply-demand studies, energy economics and other issues relevant to society."

Craig left BNL in 1971 to join the NSF staff as Staff Associate in the Foundation's Physics Section. In 1973, the NSF established the Office of Energy R&D Policy (OEP) and Craig was appointed Deputy Director of the new Office.

He came to BNL in 1962 from Los Alamos Scientific Laboratory. At the time of his departure in 1971, he was Cryogenics Group Leader. While at BNL, Craig was awarded a Guggenheim Fellowship for the academic year 1965-66 and was Adjunct Associate Professor of Physics at the State University of New York at Stony Brook.

Besides Craig, eight other NSF staff members were awarded Meritorious Service Awards, the second highest honor conferred by the Foundation. The highest honor conferred by the Foundation is the Distinguished Service Award which recognizes outstanding public service.

Grapefruit

(Continued)

resulting seedlings were grafted onto sour orange rootstocks which were planted on a research farm. Fruiting was first seen on these experimental trees in 1966. The Star Ruby was released to 15 Texas nurserymen in 1970, and by 1971, there were between 150,000 and 200,000 budded Star Ruby trees. The fruit is now also grown in California, Florida, Arizona, and three of the Hawaiian Islands.

Since 1970, the Vitas Research and Development Corp., a non-profit organization, has given Star Ruby seedlings to more than 25 countries. The organization, headed by C.O. Foerster, is helping countries plant and cultivate the new fruit. "It is just too good a fruit not to be shared with all the people of the world, so we plan to introduce it to all countries where the climate will allow it to grow," said Foerster.

Presently, Star Ruby trees are flourishing in Israel, Taiwan, British Honduras, the Fiji Islands and now Brazil.

Hospitality News

The next Hospitality coffee will be held Tuesday, April 1, at 9:30 a.m., in the Brookhaven Center. Babysitting will again be provided at no cost in the same area.

Deputy Commissioner Geraldine M. Sheridan will discuss the work and responsibilities of the Suffolk County Department of Consumer Affairs.

Try not to miss Mrs. Sheridan's interesting presentation.

Rifle and Pistol Club

The first match of the season will be held on Tuesday, March 25th with following matches held on the 2nd and 4th Tuesdays each month.

1975 Outdoor Pistol Schedule

March 25	July 8, 22
April 8, 22	August 12, 26
May 12, 27	September 9, 23
June 10, 24	October 14, 28

For further information contact Bob Liegel, extension 4411.

Selected Reading

Nature 254, March 6, 1975
Huxley remembered. J. Needham. 2-3

Science 187, March 7, 1975
Organization for Science and Technology in the Executive Branch. 810-14

Government and industry: Their roles in energy development. Remarks by Dr. Robert C. Seamans, Jr., Administrator, Energy Research and Development Administration, at the Regional Meeting of the Electric Power Research Institute, Washington, D.C., February 26, 1975. Press Release No. S-3-75, March 5, 1975.

Phys. Today 28, March 1975
The role of industry in international energy programs. R.W. Schmitt and P.J. Stewart. 40-4

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Letters To The Editor

To All My Friends at BNL:

I just want to thank you for all the cards, letters and well wishes for my speedy recovery. I am coming along fine and hope to see everyone real soon.

Jackie Larrie

Hot Water And Electricity

Tips For Energy Savers From
The Federal Energy Administration

Lighting

- Remove one bulb out of three and replace it with a burned-out bulb for safety; replace others with bulbs of the next lower wattage. Be sure to provide adequate lighting for safety. Concentrate light in reading and working areas, and for safety.

This should save about 4 percent in electricity costs in the average home.

If everyone took these conservation steps, the Nation's consumption of energy would drop by about 50 million kilowatt hours of electricity per day (enough to light about 16 million homes).

- Turn off all lights when not needed. One 100-watt bulb burning for 10 hours uses 11,600 Btu's, or the equivalent of a pound of coal or one-half pint of oil.

- Use fluorescent lights in suitable areas - on the desk, in the kitchen and bath, among others. They give more lumens per watt.

- Where higher illumination is desirable in areas lighted by incandescent bulbs, use one large bulb instead of several small ones. The larger bulb is more efficient.

- Use long-life incandescent lamps only in hard-to-reach places. They are less efficient than ordinary bulbs.

- Keep lamps and lighting fixtures clean. Dirt absorbs light.

- Reduce or eliminate ornamental lights except in special holidays or festive occasions.

- Use outdoor lights only when essential.
- Light colors for walls, rugs, draperies and upholstery reduce the amount of artificial lighting required.

- Install solid-state dimmer switches when replacing light switches. They allow more efficient use of light.

In the Kitchen

- Be sure the dishwasher is full, but not overloaded, before you turn it on. An average dishwasher uses 14 gallons of hot water per load.

- Scrape dishes before loading them in the washer. Rinsing is seldom necessary, but when it is, use cold water.

- Let your dishes air dry. After the final rinse, turn off the control knob of the dishwasher and open the door.

- Use proper defrosting methods for manual refrigerator/freezers. These appliances consume less energy than those that defrost automatically, but they must be defrosted frequently and as quickly as possible to maintain that edge. Frost should never be allowed to build up to more than one-quarter of an inch.

- Most refrigerators have heating elements in their walls to prevent condensation on the outside. These heaters need only be turned on when the air is extremely humid. When buying such a refrigerator, be sure it has a switch to turn off the heaters. Better yet, buy one without heaters.

- During holidays or other extended absences from home, empty the refrigerator, disconnect it from the power outlet, clean thoroughly, and leave the door ajar.

- Check seals around the refrigerator and oven doors to make sure they are airtight. If not, adjust the latch or replace the seal.

- Reduce energy consumption in cooking. Use flat bottom pans that cover the burner heating element. More heat enters the pot and less is lost to the surrounding air.

From Dentistry To Medicine



Dwight Miller, a pre-dental student at Jackson State University in Mississippi, is spending this semester working with Dr. Harold Atkins in the nuclear medicine laboratory of the Medical Department. He is one of ten students presently participating in the Brookhaven Semester Program. Although he plans to attend dental school in the fall, he enjoys working with Dr. Atkins on tumor localization with radionuclides, because it is related to medicine. He was a dental technician in the Navy and plans to continue working for the Navy after dental school. Dwight says he would like to specialize in oral surgery, and would eventually like to set up a private practice in Mississippi.

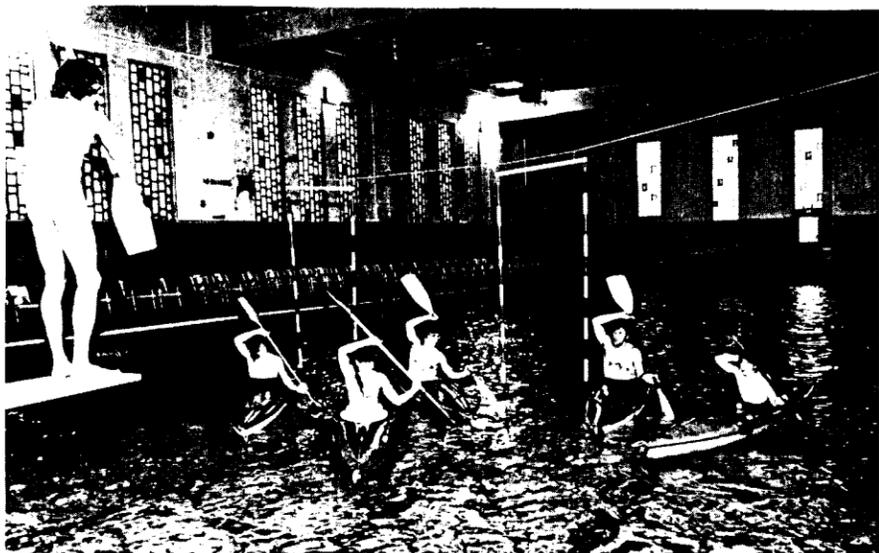
**Attention —
Runners & Cyclists**

The Runners/Cyclists Committee would like to have the ideas of all runners and cyclists on the operation of the semi-annual perimeter run/bike-a-thon. In particular, the spring event has to be organized very soon. A meeting will be held Wednesday, March 26 in Room A at the Cafeteria starting at 12:15. Please make every effort to be there, and if you absolutely can't, call Gus Prince, Don MacKenzie, Jack Brennan or John Aggus to give your suggestions and volunteer to help out with the spring races.

Exercise Classes

Women's exercise classes are being held in the Recreation Building on Mondays at 5:30 p.m. Anyone interested in joining call Karen Karlstrom on extension 4398.

Row Row Row Your Boats



A group of budding kayakers watch intently as Russ Everett, a kayak instructor, demonstrates a few strokes (left). That seems enough but what happens when the kayak capsizes and you are forced to regain balance (right)? If you are interested in finding out, attend a kayak course sponsored by the BNI Mountain Club in the Lab Pool. Each course consists

of five 3-hour sessions. If interested call Bob Bergoffen, Ext. 4417 or Dick Watson, Ext. 3788 for details. To allow for practice, the Mountain Club is planning to hold practice sessions at least one Saturday a month in the Pool. The kayakers pictured are (left to right) Phillip Watson, Anne Nauman, Ed Beardsworth, Dick Watson and Gavin Watson.

Slo Break Basketball

Only two games left in regular season play and the possibility of playoffs has increased. The Condors ended the Persuaders' 13 game winning streak keeping all teams' hopes for a trophy alive. The Spuds or Roga would have to win five straight. The Condors would have to win at least three games and the Persuaders have only to win once in the playoffs to clinch the title.

Box score for 1st game.

Condors	Pts.	Persuaders	Pts.
Thomas	8	Garrison	13
Brooks	17	Rowley	10
Hill	2	James	10
Sutter	0	Vaughn	4
Vignato	18	Casey	18
Nettles	11	Stillman	0
Barone	1		
Final Score	57		55

The second game saw the highest total score of the season.

Roga	Pts.	Spuds	Pts.
Brown	37	Samuelson	6
Cotten	16	Kawalski	9
Albright	13	McKeever	26
Brennan	2	Nordstrom	30
Scott	6	Hoetis	2
Baltz	0	Ehrenkauffer	0
Final Score	74		73

— Walt Brooks

Hospitality Plans Trip To City

The Hospitality Committee is planning a group railroad trip to the city on Wednesday, April 9.

Departure will be at 8:45 a.m. from the Patchogue Long Island Railroad station. Any train to Patchogue may be used for the return trip.

The round trip cost will be between \$2 and \$3, depending on the number of people who take the trip. Children under 6 years of age are free.

If you are interested, please sign up as soon as possible by calling Ruth Dimmler, 751-6342 or Rosemary Jewett, Extension 3089.

Cafeteria Menu

Week Ending March 28, 1975

Monday, March 24	
Cream of Celery Soup	
Frank & Baked Beans	1.00
Barbecued Fresh Ham & 1 Veg.	1.15
Tuesday, March 25	
Cream of Chicken Soup	
Chop Steak & 1 Veg.	1.05
Chinese Pepper Steak on Rice	1.20
Wednesday, March 26	
Egg Drop Soup	
Stuffed Flounder & 1 Veg.	1.10
Chinese Special	
Egg Drop or Pineapple Cubes	
Sweet & Sour Pork on Rice w/Chinese Cabbage or Barbecued Spare Ribs w/Fried Rice & Chinese Cabbage	
Jello or Ice Cream	
Small Beverage	\$1.87 plus tax
Thursday, March 27	
Puree of Mongol	
Spanish Omelet & 1 Veg.	1.00
Short Ribs & 1 Veg.	1.20
Friday, March 28	
Sea Food Chowder	
Fish Cakes & Spaghetti	1.00
Pot Roast & 1 Veg.	1.20

Bowling News

Grace Fales

Green League

The race for first place goes on with the Bubble Boys 60-39, Sandbaggers 57-42, and the Designers 56-43. 200's for the night: M. Bull 214, B. Belligan 202/215/556, S. Kiss 203/214/578, R. Jones 214, and E. Meier 213.

Pink League

The Spares still hold on to first place, with the Alley Oops in second, three pins ahead of the third place Fiscal Assets. Highs for the night: Grace Fales 210/536, Jean Hamilton 176/191, Kathy Van Noy 181/181, Kay Conkling 179, Helen Caisey 175, Marie Brenner 173, Mary German 173, Marge Stoeckel 171, Lindora Boyd 170. Nice bowling, girls!

Black and Blue League

Congratulations to Frank Candiano, after a multitude of 199 games, he hit his first 200 with a 210 game. Dot Pollock converted the 3-7 split, then for an encore, the 3-7-10. Highs for the night: Frank Costello 234, Mary Austin 179. Pots were won by Frank Costello 258 and Mary Austin 229.

Highlights of the Men's Long Island Industrial Invitation Tournament

Pan Am moved into first this week with 8336, followed by AMF 8219, BNL 8126, and Republic 8116. Joe Scesny rolled 233/206/612 scratch series, C. Buzzeo 201, and R. Larsen 247, which was the high game for the night. Nice going, men!

Classified Advertisements

Placement Notices

Each week the Personnel Office lists personnel placement requisitions, currently being processed. The purpose of these listings is, first, to give notice of all non-scientific staff positions being filled and, second, to give employees an opportunity to request consideration for themselves through the Personnel Office. In filling vacancies, the Laboratory's objective is to give first consideration to present employees, as follows: employees within the immediate group having the vacancy, employees within the department or division, employees within the Laboratory as a whole.

For further information regarding a placement notice, or to request consideration for an available position, contact Supervisor, Personnel Placement & Development, extension 2874 or 2882.

51. TECHNICIAN - A.A.S. degree or equivalent in electro-mechanical technology with some chemistry background. Department of Applied Science.

52. EXPERIMENTAL MACHINIST (1) - Central Shops Division. Application deadline: April 2, 1975.

Autos & Auto Supplies

TIRES - 2 700/13 tubeless 4 ply, over 1/4" tread left. \$5 each, \$7 for both. Bob, Ext. 4551, 289-2159.

USED TIRES - 2-13" w/Chrysler rims. Ext. 3609.

JEEP - 4 wheel drive, canvas top, recent overhaul. 286-0694 after 5.

69 TOYOTA SEDAN - New motor job, good tires, very econ. 286-0694 after 5.

64 FORD STEP VAN - Insulated, paneling, w/w carpeting, cabinets, the works, brand new interior. \$800, sacrifice. 281-5709.

72 CAPRICE CHEV - Excel cond, fully equip, low mi. 473-0178 eves.

64 CHEV WAGON - Excel body, engine needs some work. \$275. Tom, Ext. 3525.

70 FORD PICK-UP - 6 cyl, s/s 8' bed, excel cond. Bob, Ext. 4672, 929-4753.

USED TIRES - 5-15", 5-13", asst cond. Ext. 4172, 475-0144.

64 FORD FALCON - 4 dr sedan, excel cond, 22 mi/gal, no oil usage, new valves, battery, distrib, radio, etc. \$275 firm. 475-1844.

70 VW FASTBACK - Excel cond, new brakes, new generator, extra tires, just inspected. \$1225. Carsten, Ext. 3593.

NEW FORD REGULATOR - Fits most models. \$5. Gordon, Ext. 4791/4613.

TIRE - F78-14. \$5. Frank, Ext.4581.

72 CHRYSLER NEWPORT - Royal, 2 dr, ht, vinyl top, full power, am/fm, new battery & brakes, excel cond. \$2100. 732-9102.

WHEELS - 14" for Chevy & Tempest, \$5 pair, 12V gen, GM type, \$7; 690-14 tire & wheel, \$8; all in good cond. Bob, Ext. 4652, 289-0357.

68 FORD FALCON - 6 cyl, auto, ps, air cond, new tires, rebilt trans. \$550. 924-4693.

70 PONTIAC CATALINA - 4 dr, sedan, 360 V8, ps/pb, auto, new exhaust, battery & brakes. 281-7485 after 5.

74 MOTO GUZZI - 850T, fairing & saddlebags, bronze & white. George, Ext. 4445.

72 VW SUPER BEETLE - Super cond, sunroof, radio, stereo, new tires & snows, supreme sacrifice. \$1700. 698-8371 after 7.

Classified Advertisements

Auto & Auto Supplies

74 GRAN TORINO - Like new cond, goodies include air cond, am/fm, 8 track stereo. \$3000. 698-8371 after 7.

69 CHRYSLER NEW YORKER - Fully equipped, low mi, excel cond. George, Ext. 4445.

73 BUICK LA SABRE - 4 dr, 4300 orig mi, ps/pb, brn & blk vinyl roof, w/w, a/c, 350 eng, auto trans, mint cond. \$3500. Jim 286-0024.

69 FORD TRUCK - Rack body, hydraulic tailgate, steel bed, excel cond, 1 ton. \$1900. Jim, 286-0024.

AM/FM VW RADIO - In top cond, good recep. Asking \$175. Davis, Ext. 2238.

72 SUPER BEETLE - Excel cond in & out, am/fm, low mi, must see. Asking \$1750. Ext. 4106.

74 TORINO - V8, auto trans, ps/pb, excel cond. 924-4740 after 6 or weekends.

70 GREMLIN - Std, new front & rear brakes, new master & tires, 54,000 mi, 26 mpg. Asking \$650. 732-4794.

68 RAMBLER - 4 dr, sedan, standard trans. Asking \$600. Bob, 744-7170.

73 PONTIAC BONNEVILLE - 4 dr ht, low mi, fully loaded w/options, showroom cond, must see. L. Toler, Ext. 3942, 727-1412.

Boats & Marine Supplies

BOSTON WHALER - 14' w/25 hp elec start Johnson, Cox galv trailer, extras, very clean, low hrs. Mickey, 728-0286.

32' BALTZER - Twin 125 hp Chrysler, camper back. \$4900. 331-1718.

16' AQUAGLAS - Center console, 73 Merc 50 hp, galvanized 74 trailer. \$1250. 588-5833.

HOBIE 14 - Excel cond, many extras. \$1000. 281-6129 after 10.

BOAT TRAILER TIRE - Goodyear, 4.80/4.00-12. \$12. John, Ext. 3354.

MUSHROOM ANCHOR - 15 lb. \$10. Frank, Ext. 4581.

15' ROW BOAT - Heavy wood, must sell. \$40. Dave, 878-4448 after 6.

66 MERC OUTBOARD - 50 hp elec, good for parts. \$60. 924-4693.

17' THOMPSON - 40 hp motor, navy top, many extras, \$500; util trailer, 500 lb capacity, \$50. 325-9567.

16' MIRRO-CRAFT - 68 alum, rated for 80 hp outboard. \$300. 286-9485.

23' LUHRS SKIFF - W/extras, 109 hp, gray marine inboard, oak, lapstrake, head, 2 bunks, sink. Best offer, must sell. Betty, Ext. 3725/3741.

14' FIBERGLASS - Sailboat w/trailer, sails, sheets & rigging, practically new, fun boat, must sacrifice. \$350. Ext. 3504, 878-1013.

Miscellaneous

HANGING LAMP - \$15; ice skates, men's size 11, women's size 5, \$8 each; new baby scale, \$5; asst sm cabinets. 924-4442.

PLAY TAPE MUSIC - Machines w/tape cartridges, brand new, \$10; men's valet, beautiful wood, looks new, \$4. 281-5709.

PORTABLE DEEGAN VIBES - W/case, prof set, great tone, beautiful cond, reasonable; speakers, all sizes, some brand new, \$4 & up. 281-5709.

BASEMENT SALE - Unbelievable bargains, interesting & unusual items, lg variety, low prices, Sat 10-5, Sun 1-5. 209 Revilo Ave, N. Shirley, 281-5709.

GUITAR - 6 string, brand new, needs set of strings, \$10; wooden clarinet, made in France, excel cond, \$35. 281-5709.

OLD BOTTLES - All kinds, any reasonable offer will be accepted. 289-0481.

MINI-BIKE - Frame & wheels, Rupp, good cond, torque converter, disc brakes, front & rear shocks. \$35. Danny, 588-5833.

COUCH - Extra lg horseshoe shape, 2 sections, royal blue antique satin, scotchguarded, 1 yr old. Orig. \$1200, asking \$500. Mike, 289-5704.

MATCHING MAHOG CHESTS - 1 high, 1 low, \$75 each; painted pine corner cabinet, \$45; ceramic lamps. 473-2322 after 5.

GUITAR - Univox Les Paul, gold, good sound, w/case. Asking \$120. Steven, 286-0534.

MOBILE HOME - 2 bedrm, extra lg living rm, appliances, skirting in Retirement Park. 727-5797.

WOODEN BASKETS - Bushel size, used. Izzy, Ext. 3613.

TYPEWRITER - Portable, \$10; travel crib, \$10; camping lantern, \$5; formica sheet, 3'x5', wood grain, \$2. Ron, Ext. 4310.

MUSCOVY DUCKS - For raising or eating. \$8 a pair. 286-3679.

LADIES' BICYCLE - 2 spd Schwinn Breeze w/child's seat, very good cond. \$45. 286-3679.

2 STEREO REVERB UNITS - For home or car, excel cond, 1 new, 1 used. \$25 for both. Mike, Ext. 3198.

LOUNGING CHAIR - Vinyl, good cond. \$30. 286-0687.

PORTABLE SHALLOW WELL DRIVER - A-frame, 2 power units, tackle, 2 drivers, pulleys, post-hole digger, everything to drive a well. \$175. Bill, Ext. 3284 noon.

COUNTER TOP - Formica, 2'x10'4", w/2 sink cut-outs. \$15. 286-0687.

SEWING MACHINE - Electric, console, knee control, good cond. \$25. 286-0687.

BINOCULARS - 7x35, w/case, \$15; 8 arrow bow quiver, attaches to hunting bow, \$8. 286-1062.

BABY GRAND PIANO - And bench, walnut, Cable, good cond. \$800 firm. Ext. 3427, 751-2403.

LIVING RM SET - Complete Thomasville Delphian, classic Grecian w/matching sofa chairs, lamps, end, library, coffee & round tables, excel cond. Ext. 3427, 751-2463.

NEW AXE - Plumb brand, never used. \$10. Gordon, Ext. 4791/4613.

BICYCLE - Girls' 20" Schwinn, conventional seat & handlebars. \$15. Pete, Ext. 4317.

DINING RM TABLE - Blonde, 4 chairs, matching china cabinet, good cond. 363-8919.

FISHER X100B - 50 watt stereo amp, excel cond. \$65. Bob, Ext. 4551, 289-2159.

COMPLETE FRENCH CHERRYWOOD BED - Provincial, triple dresser, Hollywood bed, very good cond. \$395. Bob, Ext. 4551, 289-2159.

ACETYLENE TORCH - W/full tank & presto lite attachment, hose & tip. \$40. Nauman, Ext. 3412, 286-3764 eves.

TV - 19" Sears b&w w/roll cart, works well. \$35. Nauman, Ext. 3412, 286-3764 eves.

IRON RAILING - 31', 2 posts & fittings, \$25; Royal Standard typewriter, old but good, \$40; bicycle, new, \$55. Ext. 3148, 325-1961.

STROLLO-O-CHAIR - Rex, perfect for first baby, basinet, carriage, stroller, high chair, many other combinations. 734-7342.

WHIRLPOOL REFRIG - 14 cu ft w/160 lb freezer, like new. \$100. J. Buscemi, 732-8877 after 5:30.

30" HARDWICK GAS STOVE - White, good cond, \$45; 30" Welbilt gas stove, white, good cond, \$45. Bob, Ext. 4551, 289-2159.

36" RANGE HOOD - Stainless steel, \$12; 30" black & silver range hood, \$8. Bob, Ext. 4551, 289-2159.

30" HOTPOINT THRIFT COMMANDER - \$200; Elec clothes dryer, \$45; Tappan 30" counter top; auto elec stove, oven & broiler, \$95. Bob, Ext. 4551, 289-2159.

21" COLOR RCA - Needs picture tube, \$25; elec milk shake, \$4; elec slicing mach, \$5. Bob, Ext. 4652, 289-0357.

ANTIQUE - Wall speaker & commode, best offer. Frank, Ext. 4581.

TABLES - Modern coffee, 2 end, blonde formica, \$15, all three. 289-0413.

BABY CRIB - Very good cond, \$15. 924-4693.

RUG - Braided oval, 17'6"x12'2", predominantly brown & red, reversible wool, very good cond. \$70. 473-6624.

GOLF CLUBS - Complete matched set, Arnold Palmer 1, 3, 4 woods, irons 2 thru sand-wedge, \$75. B. Vogt, Ext. 4241.

ENCYC OF PHOTOGRAPHY - Complete 20 vol. \$35. I. Meyer, Ext. 3038.

BB GUN - Crossman 500 CO₂ cartridge, excel cond. \$15. Bill, Ext. 4068.

PAIR WALKIE-TALKIES - \$5. R. Williams, Ext. 4259/4207, 286-0893.

CAMERA - Polaroid Colorpack II, asking \$25; oldie 45's, some stereo, 254; man's raincoat, black trench, zip-in lining, 46" long, worn once, asking \$50. R. Williams, Ext. 4259/4207, 286-0893.

DIAMOND - .13 carat, antique cut. \$20. Frank, Ext. 4581.

GM INFANT LOVE SEAT - Rated #1 Consumer's Report, excel cond. \$10. Phil, Ext. 3792.

AMPEG GEMINI I AMP - Hangstrom III guitar. \$160. Walt, Ext. 2547, 281-5328.

WRIGHT CHAIN SAW - 16" reciprocating blade, gas powered, A-1 cond, just received. \$55. Ext. 3354.

HO TRAINS - 3 locomotives, 4 passenger cars, 10 asst freight cars, 2 transformers, complete landscaped village. \$250. 924-4063 or 281-3299.

PATIO SLIDING DOORS - To fit 72" opening, complete w/frame. Asking \$100. 281-9853 after 4.

OPERA TICKETS - 2 to NYC Opera, Salome, Fri Mar 28, 8 p.m. \$16. Mike, Ext. 2045.

COLECO POOL - Excel cond, 9 months old, 16x32, variable depth, alum patio, decking, filter pump, all acc. \$1600. 585-2993 after 7.

MOVIE CAMERA - Standard 8 mm, elec eye, battery drive, F 1.8 lens w/case. \$20. R. Hildenbrand, Ext. 3274.

WESTINGHOUSE REFRIG - Coppertone 16 cu ft, 3 yrs, excel cond. \$175. 732-7570.

WARDROBE - Circa 1930, drawers & hanging space, \$25; comfortable chair w/2 slipcovers, \$10; kitchen stepstool, \$5. 732-5338 after 6.

OAK FIREPLACE LOGS - Springtime special. 10 for \$1. 924-3236.

MOVIE PROJECTOR - 8 mm, 500 watt, old but perfect, w/case & instruction book. \$20. R. Hildenbrand, Ext. 3273.

SURFBOARD - Dextra custom, 9'10", speed skeg, good for beginner, good cond, \$65. 363-7406.

COMMUNION DRESS - And slip, nylon & lace, size 10, beaded tiara & veil, worn twice. \$8. Mrs. Kelly, 744-3069.

BOY'S SUIT - Double-breasted, 2 pants, 1 solid blue, 1 pin striped like jacket, like new. \$8. Mrs. Kelly, 744-3069.

COMMUNION SUITS - 2 dark blue, size 8 & 12. \$5 each. Mrs. Kelly, 744-3069.

TV ANTENNA - Archer color, Eagle VU 120, UHF/VHF, FM, new, never used. \$25. Bob, Ext. 3725 after 4 M-F.

LECTURING MACHINE - Steno cord 270, magnetic belt, dictator/transcriber, excel con, carry case, extra belts, ear plug, etc. \$30. Bob, Ext. 3725 after 4 M-F.

ROTEL AM/FM STEREO RCVR - RX-150A; Garrard 42M turntable w/dust cover; Jensen 8 ohms 2-element spkr sys model 1; entire system, \$150. Bob, Ext. 3725 after 4 M-F.

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

HOUSE - 7 rm ranch, 2 baths, 3 bedrm, priv community, East Patchogue. \$40,000 firm. 286-3363, 475-3017.

HAUPPAUGE - Hi-ranch, 3 bedrm, dining rm, eat-in kitchen, family rm w/fireplace, laundry rm, 1 1/2 baths, 2 car garage, deck w/storage below, 6 appliances, treed 1/2 acre. 543-6874.

SETAUKET - 4 bedrm colonial w/3 baths, liv, din, eat-in kitchen, study, finished basement, lovely wooded 0.45 acre, walk to SUNY. 751-3375.

STONY BROOK/SETAUKET - 2 mi SUNY, lg solid brick ranch, 1 1/2 wooded landscaped acre, 10 rooms, 3 baths, 30' living rm, family rm, 2 fireplaces, formal dining, 3 car garage, oil/hw, basement, principles only. \$79,900. 751-1629 eves.

5 RM APT - \$200/month. 281-9412.

BELLPORT - 5 room house w/garage. \$275/month. 281-9412.

CORAM - Townhouse, 3 bedrm, 2 1/2 baths, den, central air cond, fully carpeted, all appliances, patio, pool & club house privileges. \$350/month. 791-3883.

LG FURN ROOM - Private home, kitchen privileges, 20 min from BNL. Brookhaven Hamlet. \$125/month. 286-1160 after 6.

5 RM APT - \$200/month. 281-9412.

BELLPORT - 5 room house w/garage. \$275/month. 281-9412.

Wanted

NEW YORKER MAGAZINE - Issues Feb 3, 10 & 17 please. Mary Smith, Bldg. 911-B.

PARTS POWER UNIT - 61 75 hp Johnson outboard. Ext. 2023, 363-6940.

SUMMER RENTAL - Larry, Ext. 4379.

HONEY EXTRACTOR - Buy or rent. Ext. 3400.

DRIVERS MANUAL - 69 Ford Galaxie. Ext. 3583.

BOAT TRAILER - For 12' rowboat, at reasonable price. Ext. 3280 lunchtime, 727-3608 after 5.

2 TENNIS RACKETS - Used. Ext. 3583.

MINI FISH - Nardi, Ext. 4122, 286-8512.

FREEZER - Chest type pref, reasonable running cond. Osgood, Ext. 3928, 286-2561.

HOME - Adorable 2 yr old spayed female cat. Bob, Ext. 4551, 289-2159.

MASON JARS - Pints, qts; sm garden tractor w/rototiller attachment. Ext. 3148, 325-1961.

GRINDER, TOOL & CUTTER - George, Ext. 3515.

SPHYGMOMANOMETER - Aneroid or mercury needed, reasonable & in good order. 751-0835.

RIDE - Moriches to Lab, 0830-1700. 878-0744.

BABY BACK PACK - Reasonable price, good cond. Richard, Ext. 4396.

Classified Ad Policy

Deadline is 12 noon Monday for publication Friday of the same 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.

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

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 111, 40 Brookhaven Avenue.

Employee's Signature Life No. Ext.
Send to: Brookhaven Bulletin, Building 460, 40 Brookhaven Avenue (Ext. 2345).

(Name & Phone No. To Call)