

BULLETIN BOARD

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June 16, 1966

First Game Ends 24-18 As Distaff Softball Begins

More than 30 eager and enthusiastic girls showed up for softball Wednesday, June 8, as the first game in what is hoped to be a four-team league got under way. Veteran sportswriters covering the pioneer effort said that such sights and sounds had not been enjoyed on a softball diamond since The Playboy Club beat The Bye, Bye, Birdie Cast in that memorable game in Central Park.

The choose-up teams, captained by Gail Mansfield, Instrumentation and Health Physics; and Dee Skokna, Directors' Office, fought to a thrilling 24-18 finale. Which team had which score is classified information.

Potential players are invited to show up at Field 4 every Wednesday at 5:15 p.m. during June for pre-league play. The league is scheduled to start July 6 and carry through August.

Protons from Sun May Cause Hardness of Moon's Surface

The hardness of the moon's surface reported by the American Surveyor and Russian Luna 9 moon probes could be a result of proton irradiation from the sun, according to Dr. Arthur C. Damask of the Physics Department. In a recent experiment, Dr. Damask found that radiation is able to bond silica into a solid mass. Silica is thought to be a likely constituent of the lunar surface.

Dr. Damask's findings are contrary to some predictions that micrometeorites and stresses from the moon's temperature extremes would have churned the surface into a layer of dust, possibly several feet thick.

In Dr. Damask's experiment, a sample of silica sand was bonded together by exposure to a neutron irradiation dose of 600 million, billion (6×10^{17}) neutrons in a nuclear reactor at the AEC's Savannah River plant.

If it is assumed that this radiation dose corresponds to the threshold for bonding of silica sand, a rough estimate can be made of the equivalent exposure time on the lunar surface,

Dr. Eugene P. Cronkite, Head of the Experimental Pathology Division of the Medical Research Center, has been elected a member of the Association of American Physicians. This organization, limited to 250 active members, is composed largely of Professors of Medicine. Founded in 1886, this Association publishes the "Transactions of the Association of American Physicians."

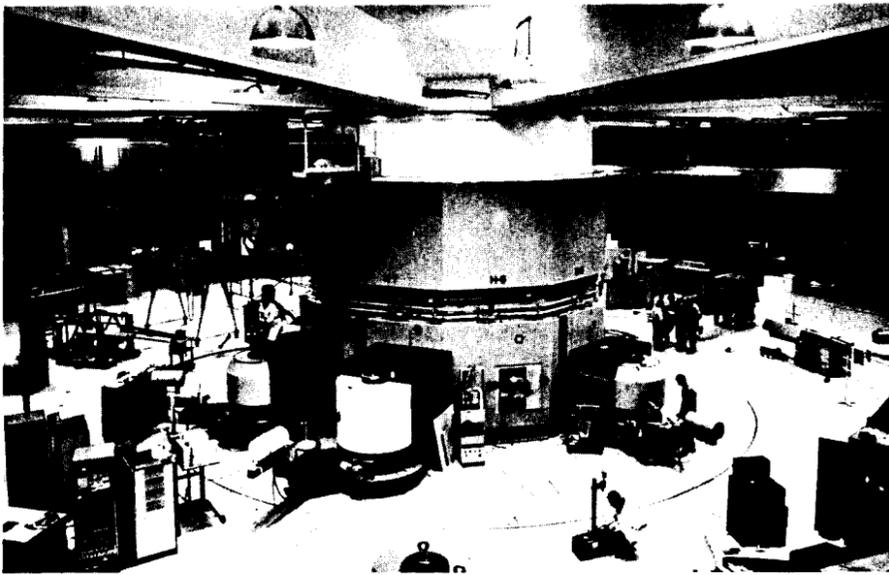
Brookhaven Lecture

The next Brookhaven Lecture will be given on Monday, June 27 by E.O. Salant of the Physics Department who will talk on "Mechanism of Meson Creation."

DALU Meeting

The Directly Affiliated Local Union No. 24426 will meet on Thursday, June 23 at 7:30 p.m. in the Knights of Columbus Hall, Railroad Avenue, Patchogue.

Unique Spectrometers at HFBR Will Improve Diffraction Studies

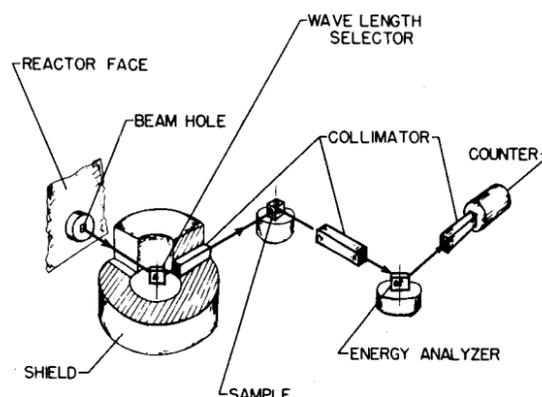


IN POSITION - Three spectrometers are in position on the experimental floor of the HFBR at H-5, H-7, H-8. The small cylinder farthest from the reactor face is the counter; the large drum butted against the face contains the wavelength selector. The target sample for neutron diffraction experiments is placed between the two.

With the HFBR able to provide neutron densities 50 times greater than the Graphite Reactor's best effort, a whole new array of accompanying hardware had to be developed in order to keep the supporting equipment in the same league as the new reactor. Recently, three neutron spectrometers made their debut on the experimental floor, giving solid-state physicists and structural chemists a refined means of probing the relationships of atoms in a solid.

The spectrometers, designed by Andrew Kevey of the Physics Department in a joint Physics-Chemistry Department project, are unique and represent several new engineering concepts. They are more versatile and refined than anything previously available and have been designed to allow for modifications as research advances. The spectrometers had to be designed so as to fit a scheme that has experiments at five HFBR

See Spectrometers, Page 2



SPECTROMETER OPERATION - This simplified drawing shows how the spectrometer works. The neutron beam coming from the beam hole is directed through an aperture in the shielding to a wave length selector. This selector is a crystal that breaks down the polyenergetic neutron beam the way a prism separates white light into a spectrum. The collimator keeps the desired monoenergetic beam from spreading and directs it toward the target. There the neutrons are refracted by the atomic structure of the sample and focused towards an energy analyzer by another collimator. The beam is then directed through a third collimator to a counter and the data transmitted electronically to a computer.

See Moon Surface, Page 2

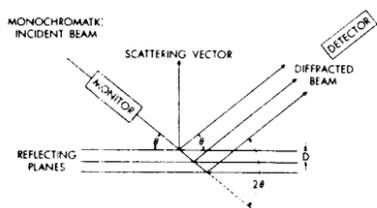
Unique Spectrometers at HFBR Will Improve Diffraction Studies



THE FABRICATORS - These are the people responsible for the design and construction of the three new neutron spectrometers. In the rear, from left, are Joe Henriques, Machinist, Central Shops and August Jurgens, a Machinist from Physics who worked on the components. In front, from left, are Frank Langdon, Research Associate, Physics; Ernest Bindel, Chemistry, who supervised the installation of the spectrometers; Jim Fenton, Physics Engineering Design; Andrew Kevey, Physics, Project Engineer who designed the spectrometers; John Plonski, Mechanical Engineering; and John Simms, Physics Engineering Design. Photo by Mort Rosen

beam ports controlled by a single, stored-program digital computer. These spectrometers are the keystone in neutron diffraction experiments.

With few exceptions, the atoms of solid materials are arranged in a pattern resembling an unfinished skyscraper with its cross-beams and girders exposed. In this analogy, the atoms lie at the intersections of the beams; the beams themselves are the cohesive forces which hold the atomic arrangement - the "lattice" - in place. To study this structure and the forces which hold it together, the researcher sends a beam of neutrons of a known energy into the sample. As the neutrons pass through the lattice they are scattered - "diffracted" - according to known laws. As they emerge, they are counted and analyzed and the resulting information gives the researcher a picture of the sample's atomic structure.



THE EVENT - In neutron diffraction experiments, the angles and energies of the scattered neutrons as they ricochet off the reflecting planes of the sample give an accurate picture of the sample's atomic structure.

The flexibility of Mr. Kevey's machine provides the means for a great variety of experiments, but simply stated, the spectrometer works like this:

The beam of neutrons that emerges from the HFBR's ports contains particles of many energies and velocities; the experimenter wants a beam of particles as near to a single energy as he can get. The spectrometer, by means of a diffraction crystal, reflects neutrons of the desired energy to the sample; other neutrons are blocked and absorbed by the shielding.

The sample, sitting on a stand, is rotated in the beam so that neutrons enter from many angles. This progressively varied angular relationship between the beam, the sample, and the counters, is changed automatically by the spectrometer acting on instructions from the computer. Finally, the spectrometer's counter picks up the pattern of the neutrons scattered by the sample's lattice, measures the diffraction angles, and feeds the information back to the computer. The researcher gets a computer print-out of the data.

As part of the Lab's construction program, four more identical machines were built for other laboratories, one each for the Puerto Rico Nuclear Center and the Weizman Institute, Israel; two for the Naval Ordnance Laboratory.

Pool Open

Week Days, 2:30 p.m. - 9:30 p.m.

Art Exhibit Seeks Entries

Amateur artists who work in nuclear industry or research are invited to submit paintings to NucleART, an exhibition to be held November 1 to 3 in connection with the Annual Conference of the Atomic Industrial Forum and the Winter Meeting of the American Nuclear Society.

For more information send: name and address, position, employer's name, and a brief description of the painting intended for entry, to Mr. DeWayne M. Garrison, Director, NucleART Exhibition, Atomic Industrial Forum, Inc., 850 Third Avenue, New York City, New York, 10022.

Moon Surface . . .

continued from page 1

This experiment was part of a continuing study of the effects of radiation on diffusion processes in crystals, that is, the movement of atoms in a crystal lattice due to the motion of defects in the lattice. It is this diffusion of atoms within and between crystalline particles that causes them to fuse together during the process of bonding. In a radiation field atoms are knocked out of their normal positions in the crystal lattice, causing additional defects and increasing the rate of diffusion.

A detailed description of Dr. Damsk's experiment has been submitted to SCIENCE, a publication of the American Association for the Advancement of Science.

'June Night' Auto Rally

On Saturday evening, June 18, the Brookhaven Lab Auto, Sport and Touring Club will conduct "A June Night" rally. It will start at the Cafeteria here on site. Registration will be at 7 p.m., and the first car will leave at 8 p.m. Fees are \$2 for Club members, \$3 for other BNL employees, and \$4 for outside guests.

All that's really needed, besides a reasonable automobile, is a pencil, pad, and flashlight. Each car must have only two occupants. No special equipment, except stop watches and slide rules, is permitted.

Trophies will be awarded for the first three places and the last car to finish! Refreshments will be available at the final destination, and the Club cordially welcomes everyone to join in the fun and give it a try.

Ladies Softball

Every Wednesday, 5:15 p.m.
Everyone Welcome!

Deceased

Otto A. Kuhl, Supervisor of the High Intensity Radiation Development Laboratory and of the Radiation Engineering Section of the Radiation Division, died suddenly on June 9 from a heart attack while attending an International Symposium on Food Irradiation in Karlsruhe, Germany.

BERA Film Series

Thursday, June 23 at 8:30 p.m.
Lecture Hall

Throne of Blood

In many respects, the "Macbeth" theme is more suited to a Japanese dramatic treatment than a western one. The control of man's destiny by demonic forces, both internal and external, is a classic theme in Japanese literature and drama. Kurosawa has fashioned a film true to the story of the power-hungry feudal lord with a calculating wife, but which is also a powerful portrayal of the grim civil wars of 16th century Japan.

His scenes of rainy forests, swirling fogs, and brooding castles create a stark background for the violence and ultimate tragedy. Toshiro Mifune plays the obsessed war-lord not as a conniving villain but as a strong, single-minded soldier. This is good film fare either for the connoisseur of film technique or for a devotee of a rousing good adventure story in an exotic setting.

Short:

The Adventures of An *

A condensed account of the life of an average contemporary human being reduced by the dull, routine frustrations of everyday living finally awakening to see the world anew.

—Harvard Lyman

Cafeteria Menu

Week Ending June 24

*Indicates Today's Feature

Monday, June 20	
*Ham Steak Hawaiian	.65
Veal Stew/Vegetables	.65
Spaghetti/Meat Sauce	.60
Tuesday, June 21	
*Chicken Fricasee on Biscuit	.65
Knockwurst & Sauerkraut	.65
Farmers Omelette	.50
Wednesday, June 22	
Pot Roast of Beef/Br. Gravy	.65
*Liver & Onions	.65
Corn Fritters & Bacon	.50
Thursday, June 23	
Baked Pork Chops/Dressing	.65
*Meat Loaf/Tomato Sauce	.65
Chicken Chow Mein/Rice	.65
Friday, June 24	
Fried Shrimp/Tartar Sauce	.65
Swiss Steak/Gravy	.65
Lamb Patties/Bacon Strip	.65
Cheese Omelette	.50

U.S. Report Sees Nuclear Desalting As Possible Cure for N.Y.'s Drought

On Manhattan's Columbus Circle, the fountain splashed merrily for the first time in many months, while off in Queens, a home owner wearing Bermuda shorts and the timorous look of a boy caught stealing cookies watered his lawn. These were unusual sights. After a long dry spell that lowered New York's water supply to under 40 percent of capacity and almost gave substance to the spectre of rationing, the reservoirs were up to 80 percent full and the stringent regulations on water usage were relaxed.

However, no one believes that the drought in the Northeastern part of

the United States is over, and many of the experts see potable water for this area's expanding population as a very real problem in years to come.

Since last August, a team of Government experts has been studying the use of desalinization to ease the effects of an extended drought in the Northeast. Their report, "Potentialities and Possibilities of Desalting for Northern New Jersey and New York City," has been sent to President Johnson. It concludes that large-scale desalting plants, including nuclear powered desalting-electric plants, have the potential to provide economical, supplementary water for the area.

Bruce Johnson of the Interior Department is the Chairman of the Northeast desalting team sponsoring the report. Other members are Sam Shiozawa of the Office of Saline Water; G.E. Ferguson, Geological Survey; W.E. Dean, Federal Power Commission; John M. Vallance, Atomic Energy Commission; D.F. Peterson, Office of Science and Technology; and P.W. MacAvoy, Council of Economic Advisers.

Tickets Available

Personnel Services

Recreation Office - 3 Center Street
Daily 9 a.m. - 1 p.m.

Westbury Music Fair

We are now taking requests for reservations at the Westbury Music Fair. Tickets may be purchased at a 20 percent discount for certain specified performances.

Orders accompanied by a check made payable to Westbury Music Fair must be placed in person at least three days in advance.

Mets Tickets

Box seats are available for dates in late June and throughout July and August.

Mineola Playhouse

Discount coupons are on hand for "Boys From Syracuse."

Gateway

Discount arrangements are being made and tickets will be available soon.

Undeliverable Mail

The BNL Mail Room (Bldg 179, Ext. 565) is holding mail for the following individuals:

George Andritz
Erwin Hultzmann
Robert H. Smith

Unclaimed mail will be returned to the sender after one week.

Children's Swimming Instruction

Classes in swimming will be conducted in the swimming pool for children of Laboratory employees beginning July 6 and continuing for a seven-week instruction period.

Due to the increased participation in the program, classes will be arranged for each weekday, Monday through Friday; and only one classification will be scheduled for instruction each day. The schedule is as follows:

Class A	Monday	Beginner
Class B	Tuesday	Beginner
Class C	Wednesday	Advanced
Class D	Thursday	Beginner
Class E	Friday	Intermediate Swimmer

Theatre Group Elects Slate

The officers for 1966-67, elected at the meeting June 9th, are: President, Ron Peierls; Vice-President, Pat Towe; Secretary, Carol Roberts; Program Committee Chairman, Gert Friedlander; Advisory Committee Chairman, Jerry Friedman; Theatre Co-Chairmen, John Butterworth and Jackee Kelly. They will take office on July 1.

"Hotel Paradiso," a classic bedroom farce, will be the production for fall.

Lab Camping Club Plans On-Site Event

by Charlotte Dawson

Members of the Brookhaven Family Camping Club are looking forward to their on-site camping event this weekend June 17, 18, 19. We hope to have at least 25 to 35 families participating.

Plans for the group include: Friday night, swimming in the pool; Saturday, Life Saving and Resuscitation demonstration by Dick Jones of the Safety Office; and softball or volleyball games on Sunday.

Families are again reminded that there will be no open fires or campfires. All cooking will be done on stoves, in trailers, or on the grills in the picnic area. Also, members of the group are to remain in the designated camping area.

The club will use the recreation area at Brookhaven Avenue and Fifth Street. This is adjacent to Number 2 ball field and the service road.

The BNL public is invited to visit the group on Saturday or Sunday, look over our camping gear, and watch us in action. If you've been thinking about buying equipment of this kind, here is your chance to see it set up and in operation.

To the best of your knowledge, select and write in on the application below the classification for which your child qualifies.

Beginner - Non-swimmer or not able to swim 30 yards.

Advanced Beginner - Can swim 30 yards but not 50 using the crawl and elementary backstroke.

Intermediate - Can swim 50 yards but not 100 using the breast, side, and crawl strokes.

Swimmer - Can swim 100 yards but unable to perform all strokes and swim continuously for 10 minutes.

Forward the application below with registration fee to the Recreation Office, 3 Center Street.

Deadline - June 24 or before if the maximum registration is reached. No registration fees will be refunded.

Swimming Classes 1:00 - 2:30 p.m.

1. These classes are for all Laboratory employees' children.
2. Children must be four feet in height.
3. A fee of \$2.50 per child must accompany application. (Make checks payable to BERA.)
4. Children will report at the Swimming Pool not earlier than 12:50 p.m.
5. Classes will end at 2:30 p.m. Off-site children must remain in the Pool Area until picked up by parents. On-site children must remain in the Pool or proceed directly to the apartment area.
6. Children will pay daily admission fee (\$.35) or present season ticket to enter Swimming Pool.

Application	
Swimming Classes	Date.....
Name Age*	Son/Daughter Class Letter
1.
2.
3.
4.
5.
*If under eight years old, state height.	
I wish to register the above children in the Swimming Classes. I understand that he or she is not permitted to leave the Swimming Pool Area. I agree that he or she may be denied participation in the program for failure to observe the rules.	
..... Employee's Name (please print)	
..... Lab Address Lab Extension

Around the Base Pads

by Bob Carciello

The league lead changed hands rapidly as Metallurgy fell prey to the Batmen and the Old Timers. Neal Roberts and Bill Alster powered home runs pacing the Batmen to a 15-7 victory over Metallurgy. The Old Timers moved into the Brookhaven League lead as they edged Metallurgy, 5-4. Metallurgy has completed their first half play while the Old Timers have one more game.

An Old Timer victory will clinch the lead; a loss will mean a play-off with Metallurgy. Medical failed to post a win as they dropped their seventh; this time to the Blue Jays, 9-6.

The Dirty Sox moved within striking distance of the National League leading Phase Outs after defeating them, 17-6. Fred Hillerud, Dick Bowman, Dean Easler, and Vinny Racaniello each connected as the Dirty Sox routed the Bubble Boys, 21-7 in a rescheduled rained-out game.

The Bubblers broke into the win column by nipping the Floorwalkers, 11-8. The Floorwalkers showed their strength by crushing the Phoubars, 20-10.

The Deadwoods continued to dominate the Laboratory League, downing the Mixups, 13-4. The Make-Ups notched their fourth straight victory by nipping the Mets, 8-4. Murray Gottfried and Bob Di Lello belted home runs for the Make-Ups. The Deadwoods and Make-Ups will clash for the first time this season in a double header this week.

Brilliant strategy on the part of the Mixups, to bring in the razzle-dazzle pitcher, Charlie Daly in the bottom of the seventh to squelch a six run uprising by the Potsareebies, enabled the unbelievable Mixups to post their first victory of the season over the ever failing Pots, 20-18.

Classified Advertisements

Autos, Auto Supplies

58 CITROEN - Sedan, engine fine, body good, new hydraulic system, needs brakes. Lieberman, Ext. 7266.

CHRYSLER - Imperial, blue, white/blue int, full power, auto trans, w/w, r/h, good rubber. Ext. 2380 or SE2-5908 after 5:30.

60 FORD - Falcon, sedan, blue, 6 cyl, std trans, 59,000 mi, good cond, needs two tires. \$225. Owner leaving. Durgun, Ext. 581.

60 LARK - Convertible, auto, six, red/black int, looks & rides almost new, r/h. HR3-1727 eves.

59 JAGUAR - Mark IX sedan, 4 dr, ps/pb, r/h, a/c, maroon w/red interior. \$800. Soehl, Ext. 7358.

TIRES - (2) 6.70x15, blackwalls, mounted on Chevrolet wheels, very good cond. \$15. Bob, Ext. 2315 or AT6-0357.

60 FORD - Consul, large English compact, running cond, good paint & tires. \$180. Harris, Ext. 2445.

60 PONTIAC - 4 dr hardtop, full power, w/w, r/h, white/red vinyl interior. Ext. 2419.

COILED HELPER SPRINGS - 1 pr. \$3. F. Rumph, Ext. 2221.

41 CADILLAC - Coupe, mint cond. 941-4668.

66 TRIUMPH - Spitfire Mk2, 4500 mi, white/black int, wire wheels, r/h, tonneau cover, never raced, perfect cond. AT6-8514.

65 CHEVROLET - Impala, 4 dr, hardtop, ps/pb, auto trans, 8 cyl, extras. Sacrifice. Tom, Ext. 2350.

65 CHEVROLET - Impala, 2 dr, hardtop, 8 cyl, auto trans, air cond, extras, excel cond. Danzig, Ext. 7662 or 7683.

LOOKING - For a partner in life? How about a 64 MG Midget convertible? Danzig, Ext. 7662, 7683 or 289-0165.

55 DODGE - Runs & looks good, will take first reasonable offer. Stelmack, Ext. 7111 or 281-3558.

8' TRUCK CAMPER BODY - Almost new, heat, stove, sleeps 5, elec, front dinette, jacks, extension cord. Ext. 7677.

58 VOLKSWAGEN - \$250. Poskanzer, Ext. 7263 or AT6-9032.

62 CORVETTE - 365 hp, 4 spd, good cond, must sell. \$2100. 732-9384 after 6.

65 MUSTANG - GT, blue/white, V8, auto, disc brakes, special handling package. Sheehan, Ext. 7772.

65 FORD - Falcon, convertible, only 18,000 mi, 8 cyl, ps, low price. Ext. 423.

64 MERCURY - 4 dr hardtop, fully equipped, air cond, must be seen. \$1600. Ext. 562 or 732-9384.

65 CORVETTE - 327, 4 spd, hard & soft tops, must sell am leaving for service, this car has had TLC. Ext. 439.

61 RAMBLER - American, convertible, auto trans, r/h, ps. \$450. Hulliger, Ext. 2485.

65 PLYMOUTH - Fury III, convertible, 24,000 mi, pb/ps, r/h, window washers, extras. \$2100 or closest offer. Ext. 481.

60 VOLKSWAGEN - \$500, firm. Platt, Ext. 2732.

AUTO RIMS - 14", three, \$3 ea; windshield that fits Chrysler line for 57-58 and later models. \$10. Ext. 2382.

58 PLYMOUTH - Auto trans, r/h, running cond, needs repair, ps. Ext. 2382.

63 FORD - Fairlane, auto, six, 4 dr, black/red int, excel cond, r/h. AT6-9260 eves.

65 CHEVROLET - Impala, 2 dr, hardtop, 8 cyl, auto trans, air cond, extras, excel cond. Danzig, Ext. 7662 or 7683.

56 CHEVROLET - 6 cyl, auto trans, r/h, 4 dr sedan, 56,000 mi, orig owner. \$150. McCabe, JUB-1918.

Boats, Marine Supplies

20' CABIN CRUISER - (2) 25 hp Evinrudes, elect, depth finder, head, 6/12V, sleeps 3, canvas. \$900. Trailer extra. Ext. 597 or AT6-0436.

24' CHRIS CRAFT - Express Cruiser w/head, galley, ss shaft, 140 hp Chrysler Crown engine. 878-0743 after 6 p.m.

15' LYMAN - Outboard, navy top, 35 hp, elec start Evinrude '59, Air-Bouy trailer '60, extras, ready to go. \$750. AT9-1430.

23' CHRIS CRAFT - Cabin cruiser, sleeps 2, double planked, painted, good cond, compass, auto bilge. \$1100. Ext. 7677-80.

10' ROWBOAT - 1/4" plywood covered w/fibreglass, needs a little work on gunwales. \$50. Klein, Ext. 2408.

14' OLD TOWN - Fully fiber glassed, 58 15 hp Evinrude, 63 Mastercraft trailer, two 6 gal tanks, running lights. \$225. George, Ext. 2438.

OUTBOARD MOTOR - 18 hp Evinrude, excel cond. \$275. 929-4291 after 4.

PROPELLER - Used, 4 blade, 10x10, aluminum, fits 22 to 40 hp Johnson, Evinrude or Gale motor. \$10. Ext. 434.

12-0 PENN REEL - Full spool dacron, custom made pole, \$125; other off shore poles & reels avail. 281-9467.

AUXILIARY SLOOP - 4 yrs old, double ender, centerboard, diesel, 6 berths, 29 9/2, 2 1/2. Danzig, Ext. 7662, 7683 or 289-0165.

14' RUNABOUT - Plywood and Mastercraft trailer. \$280. Hadden, Ext. 2430.

21' SEABRITE CABIN DORY - 45 hp Gray, head, bunks. \$400. Chris, Ext. 560 or 941-4668.

20' CHRISTI SEA SKIFF - Navy top, s/s radio FCC approved, inboard, head, lapstrake, in water. \$1300. 281-7665.

3. Ads must be typed or printed on the form provided in 20 words or less, and must be received by 12:00 noon on Friday for inclusion in the next week's newspaper. Only ads submitted on this form will be accepted. Additional copies of the form are available in The Bulletin Board office. If there is no Lab Extension where the person may be reached, a home phone may be substituted. Ads which do not conform to the above standards will be discarded.

4. Ads are run on a space-available, first-come-first-served basis; ads not carried because of space reasons will be held for inclusion in the next issue.

5. Ads are run only once; if you wish to repeat an ad it must be resubmitted.

Miscellaneous

MOWER - Ideal reel, sharpener complete w/all attachments, excel cond. Ken, AT1-6070.

TRICYCLE - Lg size, sturdy, good cond. \$4. Mahnken, Ext. 362.

HIFI - Prestige quality amplifier & preamplifier, Harmon-Kardon Citation II 120W amplifier, Scott pre-amplifier. \$200. Ext. 7266.

HIFI - Pilot AM/FM radio & amplifier, has jack for phonograph, radio needs work, amplifier OK, no cabinet. \$10. Ext. 7266.

HIFI - Dyna Monophonic preamplifier; two amplifiers 15 & 20 watts, \$25 & \$30 respectively, can power preamp. Ext. 7266.

POOL - Filter & skimmer, no hose, used one mo, pool 10'x30", used 1 1/2 seasons. \$25. Joe, Ext. 2511 or 929-4472.

MOVIE EDITING EQUIP - Craig Master splicer & 8mm rewinds mounted on board w/homemade single frame viewer. \$12. Ext. 7410.

CHINESE PAINTINGS - 4 originals, ready for framing. \$25 ea. Hsieh, Ext. 2557.

MISCELLANEOUS - Mattress/box spring, full size, \$10; Kenmore auto washer, 2 spd top model, \$20; infant seat, \$2. Al, Ext. 344.

WINDOW SCREENS - Aluminum, covers full window, (7) 36"x51", (5) 32"x51", (4) 24"x39" plus mounting brackets. Bob, Ext. 2315 or AT9-0357.

CAMERA - 2 1/4x2 1/4, Rollicord Va, w/case, excel cond. \$60. LT9-5741.

CAMERA - 35mm, Leica IIIc, flash sync, two lenses, Leica manual guide, case, meter, extras. \$90. LT9-5741.

GUITAR - Electric, cutaway type, harmony stratotone, single pickup. \$20. Kuehl, Ext. 2410.

ELECTRIC IRONS - G.E., one small travel iron, one regular steam & dry iron. Ext. 2700.

CONSOLE - Cabinet, walnut, w/16" RCA TV and AM/FM radio, all good working cond. \$35. Ext. 2700.

TV - 1964 21" RCA color, console, wood cabinet. \$225. Ed, Ext. 2419.

RIDING BRITCHES - Approx size 14-16, made in Austria, two winter, 1 summer. Kohler, Ext. 2102.

STEREO - Admiral, 6 speaker, AM/FM radio comb, maple, 72" long, excel cond. Tom, Ext. 2350.

SKILLSAW - \$20; & adding machine, \$20. Hadden, Ext. 2430.

MISCELLANEOUS - GE washer, 10 lbs capacity, \$85; Norge gas dryer, 12 lbs capacity, \$85; professional floor waxing machine, \$40. Hilger, Ext. 578.

WATER PUMP - Shallow well, used, good cond. \$25. Ext. 2536.

WEDDING RING SET - Hand carved, sterling. \$100. Ext. 584.

MISCELLANEOUS - Baby's antique crib, \$25; baby's antique white dresser, \$15; washing machine, \$100. Borruso, AT6-8620 after 5:30.

POOL FILTER - Excel cond, used only one season, plus 3'x12' pool. Ext. 2536.

GARDEN HAND TOOLS - Spades, shovels, shears, rakes, hose, axe, etc. 878-2237.

DAVENPORT - Opens to full size bed, very comfortable. Originally, \$287; \$90. 878-2237.

BUFFET - And four dining rm chairs, need refinishing, a fine do-it-yourself bargain. \$14. 878-2237.

FURNITURE - Danish modern complete living rm, ideal for family rm, sofa bed, 2 chairs, 3 tables, lamps, pics. HR3-8359.

TENT - 12x12 Sportsman & cots, w/sewed in floor, like new. \$75. Ostrom, 281-7665.

GARAGE DOOR - 4 section, overhead sliding steel, w/tracks, rollers, frame. \$40. Ext. 577.

Houses

BAYPORT - 4 bedrm rambler, den-rec rm, lg living rm, fireplace, 2 baths, dining rm, garage, basement, 1/2 acre, top area near bay. HR2-0192.

PATCHOGUE AREA - 7 rm custom Colonial, 1 1/2 baths, rec rm, fenced/landscaped. \$17,800, will accept rent w/option. J. Scott, GR5-3809.

MILLER PLACE - Year round cottage, h/w heat, 100 x175, garage. Eamotte, Ext. 482.

PATCHOGUE - 3 bedrms, 1 1/2 baths, dining rm, screened front porch, oil h/w heat, 2 car garage, Ext. 2726 or AT9-2326.

BAYPORT - 3 bedrm Cape, full basement, oil h/w heat, s/s, appliances, landscaped. Becker, Ext. 383 or HR2-0832.

PATCHOGUE - 3 bedrm ranch, 1 1/2 baths, garage, screened patio, dishwasher, near schools, shopping, water. Nardi, Ext. 2326 or AT9-3596.

SHIRLEY - Split level, 3 bedrms, lg family rm, basement, attached garage, landscaped, owner leaving. Sacrifice, \$16,500. 281-3282.

For Rent

COTTAGE - On island, Casco Bay, Maine, running water, bottled gas, 4 bedrms, boat, after June 20. \$70/week. HR3-7530.

HOUSE - Shirley, 6 mi from Lab, beautiful, 3 bedrms, garage, landscaped garden, fully furnished. \$140/mo. 281-3282.

HOUSE - Port Jefferson, furnished, 3 bedrms, dishwasher, freezer, washer, dryer, playrm, excel schools. Sept. 66-Sept 67. Ext. 2449 or HR3-2281.

APARTMENT - Attractive, furnished, util, near shopping, 5 min from Lab, adults. 281-8044.

APARTMENT - 4 1/2 rms, unfurnished in Yaphank, close to Lab. Ext. 686.

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Wanted

HOME - For friendly male dog (free), 1 yr old, medium sized, clean, had shots. Leaving country. Paul, Ext. 7701.

FREE - Used 6V car radio or old radio, plug in preferred, working cond. Ext. 7782.

SILVERWARE PURCHASER - Can now sell you 2 place settings of Gorham Melrose or 4 a good saving, lost your name. Ext. 7266.

PIANO - Spinnet or Console, very good cond. Reilly, Ext. 2520.

HOME - For 3 male kittens, box trained, black, black/white, yellow/white, 9 wks old. Mickey, Ext. 7173.

TANDEM BOAT TRAILER - Suitable for hauling 3000 lb boat w/stern drive. Hadden, Ext. 2430.

PARTNER - Karate brown or black belt to work out w/ white-belt student during lunch time. Jules, Ext. 576.

CALIFORNIA? - Drive my 63 car to San Francisco last week in June. Call by Saturday, Poskanzer, AT6-9032.

HOME - For beautiful tricolor spayed cat. Poskanzer, AT6-9032.

MISCELLANEOUS - Ping pong table w/access; FM radio or tuner; gasoline camping stove. Ext. 2125 or GR5-6881.

SAILS - For 18' Cape Cod. Ulzheimer, Ext. 7373.

TRICYCLE - For small child; bicycle, boy's 26". Ext. 2784.

TEENAGE BABYSITTER - In South Patchogue area, for occasional babysitting on weekends. GR5-6889 after 6 p.m.

MAHOGANY DINING RM CHAIRS - Or chairs in good cond that could be redone, also china cabinet. Reasonable. GR5-6889 after 6.

STEAMER TRUNKS - Serviceable cond. Goldberg, Ext. 2449 or HR3-2201.

Carpools

DRIVER - Needed from Amityville to Lab for two weeks, July 4 to 15. Drews, Ext. 566.

TWO DRIVERS - Want to form or join a carpool from Bay Shore. Kelly, Ext. 2306.

WISH TO JOIN - Carpool from N. Syosset area. Hadden, Ext. 2430.

ONE DRIVER - Needed for existing carpool from Patchogue area. MacLeod, Ext. 2411 or GR5-7694 after 5:30.

DRIVER - Needed to join existing carpool, Bayport-Bluepoint area. Marion, Ext. 462.

NEEDED - Ride to Lab from Amityville area, July 6 through July 15. Herman, Ext. 566.

Found

FOUND - 2 roll Kodak film, Verichrome Pan 127, sealed and exposed, vicinity of Brookhaven & Rochester Aves. Ext. 2728.

Classified Ad Policy:

The use of the classified section of *The Bulletin Board* is a privilege accorded to individuals employed at the Laboratory, to retired employees, and, in some cases, to the families of recently deceased employees. The following rules apply to all three classes of users (hereafter referred to as employees).

1. All items for sale or rent must be the property of an employee.

2. No want ads will be accepted for property associated with a full or part-time business. This includes merchandise, automobiles, real estate, etc., acquired for purposes of resale.

<input type="checkbox"/> For Sale: Autos & Auto Supplies	<input type="checkbox"/> Carpools	Check <input checked="" type="checkbox"/> the heading (1 only)
<input type="checkbox"/> For Sale: Boats & Marine Supplies	<input type="checkbox"/> For Rent	applying to your ad
<input type="checkbox"/> For Sale: Houses	<input type="checkbox"/> Wanted	Print or type your listing in the
<input type="checkbox"/> For Sale: Miscellaneous	<input type="checkbox"/> Lost Found	space below in 20 words or less.

(Name & Phone No. To Call)

Your Name: (Print) Lab Phone Ext:

Lab Address: (Print) Signature