



BROOKHAVEN BULLETIN

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July 16, 1970

Destination-Whole Body Counter



Dr. Stanton Cohn (left) on the heels of medical attendants Ted Johnson and Robert Nicholas, race down the corridor of the Medical Research

Center on the way to the Whole Body Counter with a patient that has just been irradiated at the Hot Lab. —Humphrey

Accelerator Dept. Chairman Designate Now Here At Lab

Dr. Frederick E. Mills, Chairman Designate of the Accelerator Department has arrived at Brookhaven. After a short period of getting acquainted with the Department he will assume his duties on July 29, 1970.

The 29th of July is the tenth anniversary of the start-up of the AGS, which under the chairmanship of Dr. G. Kenneth Green has accumulated one of the most extraordinary records of achievement.

Dr. Mills comes to Brookhaven from the University of Wisconsin where he was Professor of Physics and Director of the Physical Science Laboratory. He was formerly Director of MURA, Midwestern Universities Research Association.



Frederick E. Mills

Dr. Mills was born in Streator, Illinois, in 1928, and did his undergraduate and graduate work at the University of Illinois.

Dr. Mills, his wife Joyanne, and their three children, Geoffrey, 15, Deborah, 13, and Daniel, 12, will live on site until they find suitable housing in the vicinity of Brookhaven National Laboratory.

Whole Body Counter Featured In Story

Last month Medical World News printed a feature article on Osteoporosis which detailed the use of Brookhaven's Whole Body Counter as a diagnostic tool. The pictures used to illustrate the article were taken by a Lab photographer. Excerpts from the magazine story are reprinted below.

In a small room, surrounded by walls of concrete, steel, lead, and aluminum, a woman lay on a slab in a machine. Above and below her, identical layers of disks resembling strobe lamps were aimed at her body. The room was quiet except for the strains of Musak filtering through a loud-speaker.

Just outside the room, protected by the thick walls, a team of BNL scientists kept close watch on the viewing screen of a computer as it blipped and bleeped its analysis of the patient's body geometry.

The woman in Brookhaven's giant counter was obviously an exception to that rule. As she lay in the machine, the 27 disks above her — an equal number below her — told the computer how much tissue there was at each point, noting the depth through which subsequent radioactive rays would have to travel. Unlike other whole-body counters, it would later be able to compensate for differing amounts of tissue.

After 15 minutes, she was taken to the Hot Lab. There she was placed in a standing position between two sheets of polyethylene buffing in front of a neutron generator. The tiny room was closed off by another four feet of concrete, and her only contact with the outside world was a closed-circuit television camera, pointed at her from a corner of the ceiling, and an intercom.

For 2½ minutes her body was bombarded with a 14-mev stream of neutrons. Then she was advised, through the intercom, that she would be turned, and the platform on which she stood revolved 90 degrees. For another 2½ minutes, she faced the opposite direction. By the end of the five minutes, the calcium (and other elements) in her body had been radioactivated to a degree at which they could be accurately measured by the whole-body counter.

At this point, haste became essential. Because the radioactive half-life of calcium is only 8.8 minutes, the patient would have to get back to the counter within that time limit. This was done in what one of the at-

tending physicians wryly termed "the only thing really exciting about the whole procedure." On a stretcher, the woman was placed in an ambulance and whizzed across half a mile of asphalt roadways. In four or five minutes, she was placed back in the counter.

Above and below her, the machine's 54 detectors made of sodium iodide crystals measured the amount of activated calcium (¹³⁷Ca) in every area of her body. The patient would then be submitted to a program of treatment and re-evaluated in six to eight weeks to see whether therapy had effectively increased her ability to retain bone calcium.

Great Horned Owl



Last Sunday Captain Dave Hettrick of the BNL Security Division found this fledgling Great Horned Owl sitting in a firebreak near the intersection of 5th Avenue and Railroad Street. *Bubo virginianus* is rarely seen in this area because of his nocturnal habits. This fierce looking youngster has probably just left his nest and will be fed for a few days by his parents until he is ready to fly. The Great Horned Owl has been much persecuted because he eats some game birds as well as his regular diet of rodents. When approached too closely he puffs up his feathers and lives up to his description of Tiger of the Night.

Trial Run For Tandem



Harvey Wegner monitors the control console of the Tandem Van de Graaff at the startup of the first full scale trial run on Sunday, June 28. The system met its design energy of 30 MeV protons (hydrogen ions) with the two machines operating as one accelerator. Described as the world's highest energy Van de Graaff accelerator system, the facility includes precise control to three one-thousandths of one per cent of the desired energy level and the ability to accelerate almost any negatively or positively charged particle man is capable of producing. Harvey Wegner, who served as project manager, will co-manage the new facility with David Alburger.

Folksinger Barbara Dane To Appear Tonight

An unofficial event, sponsored by the Brookhaven Moratorium Committee, and dedicated to David Rehfield, will be held tonight at 8 p.m. in the Brookhaven Center. Barbara Dane, a folksinger, will entertain and Donald Baty will be a guest.

This non-official program is open to all Laboratory employees. Families and personal friends may accompany staff members on this occasion.

Coming Attractions

- 7/16 BERA Movie — "The Man In The White Suit" and shorts. Berkner Hall — 8:30 p.m.
- 7/23 French Group Movie — "The 400 Blows" Berkner Hall — 8:30 p.m.
- 7/30 BERA Movie — "Hiroshima" and shorts. Berkner Hall — 8:30 p.m.

Salvation Army Campaign

The Salvation Army needs no introduction nor does it need a lengthy explanation of its good works. Since its founding in 1880, the organization has touched countless numbers of people with their family welfare services, missing persons bureau, children's homes and nurseries, centers to aid the recovery of alcoholics, men's rehabilitation centers, clinics, hospitals, USO clubs.

Like any army, the Salvation Army needs help to operate its many and varied centers. Representatives of the Army will be here at BNL on Thursday and Friday, July 16 and 17, to ask for that help. But even in their asking, they are giving. For your donation of \$3 or more, you will receive a women's or men's cosmetic kit valued at over \$10.

Cosmetic kit distribution points will be located at the cafeteria from 8 a.m. until 2 p.m. and in the parking lot across from the bank from 10 a.m. until 4 p.m.

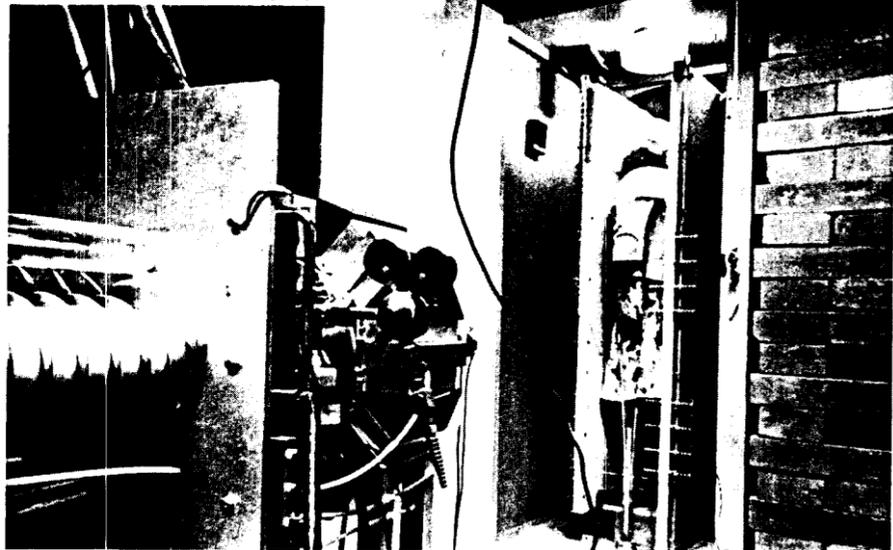
Traffic Note

Brookhaven Town Highway Commissioner Harold Malkmes has advised that Whiskey Road from Randall Road to Ridge Road will be closed for the week of July 20th through July 24th for ordinary highway work. Lab people who ordinarily use this road are advised to use an alternate route.

Postal Notice

Will the person that mailed a parcel to Grandview, Missouri, 640, under the insured number 957425 please call at the Post Office on Center Street, or call Ext. 2123.

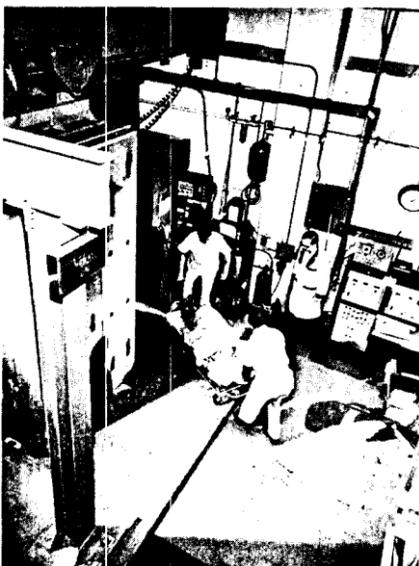
Whole Body Counting Speed Run



At the Hot Lab the patient is placed in the neutron generator for a short period of time.



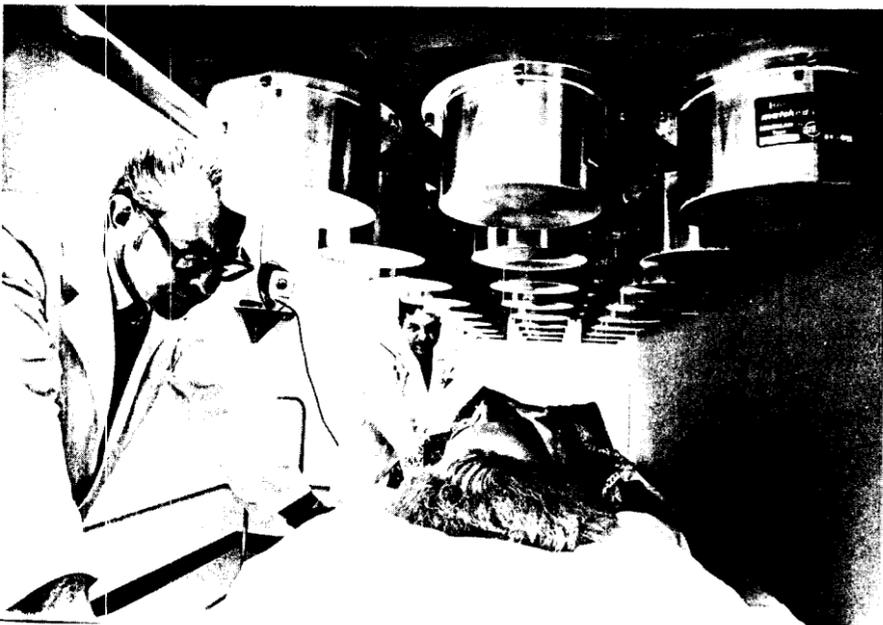
Jere Austin, DAS, checks the controls of the neutron generator.



The patient is removed from the neutron generator for the trip back to the whole body counter.



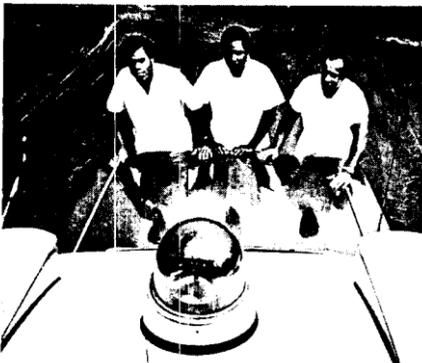
Patrolman Michele Montecalvo holds up traffic to allow the ambulance to speed back to Medical.



Drs. Stanton Cohn and Harold Atkins instruct the patient in the procedures to be followed in the whole body counter.



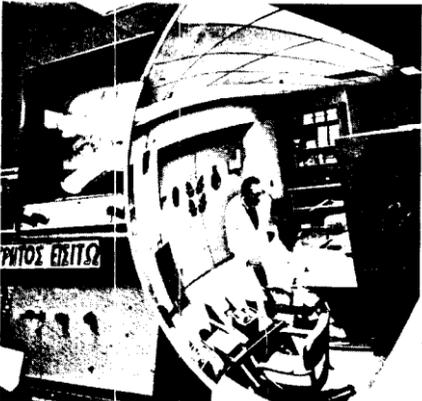
Carl Dombrowski compiles data taken from the counter.



Driving chores are shared by Theo Gray, Bobbie Dickerson and Ted Johnson.



Dr. Wolfgang Hauser and Dr. Cohn prepare the patient for neutron generating procedure.



While the patient is relaxing in the counter, Dr. Cohn and Mike Stravino monitor the counting procedure while observing the patient on closed circuit television.

Photos by Humphrey

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Here and There

Claire Lamberti

Francis X. Rizzo (HIRDL) travelled to Toronto, Canada on June 23 to chair the ASTM Subcommittee on Radiation Dosimetry Meeting; on July 5 he travelled to Great Britain to attend the U.K. Panel on Gamma and Electron Radiation Meeting at Keddington National Physical Laboratory.

Dr. Geoffrey Hind (Biology) has been elected to the BNL Council by the tenure staff members of the Biology Department to fill the unexpired term of Dr. John M. Olson who is taking leave of absence from the Laboratory; Dr. Hind will take office at the time of the September meeting of the Council.

Belmont A. Sylvester (HIRDL) travelled to Santiago, Chile and Buenos Aires, Argentina during the month of June to supervise the installation and operation of BPCDI #3 in Chile, and inspect BPCDI #1 presently in operation in Argentina, for the USAEC.

Dysart A. Ravenhall (Applied Math) has been appointed for a three-year term to the Advisory Council of the Computer Center at Princeton University.

Leonard Galanter (HIRDL) attended the ASTM Subcommittee on Radiation Dosimetry Meeting on June 23-25 in Toronto, Canada; on June 29-July 2 he attended an ANS Meeting in Los Angeles, California.

Arrivals & Departures

Arrivals

Thomas Crews..... P.E.P.
Ruth A. Otterstedt..... Physics
Takefumi Suzuki..... Biology

Departures

Dominick J. Mauro..... Physics
Thomas E. Stephenson..... Applied Science

In Memoriam

Salvatore Retrosi, retired Captain of the Security Police at BNL, died June 28. He is survived by his wife, Mrs. Katherine Retrosi.

Showstoppers - Just Great

Showstoppers, which made its debut at BNL on Thursday, July 27, 1967, went all out for the final curtain calls complete with standing ovations at two finale performances at BNL last week on Wednesday and Saturday evenings.

Both shows played to SRO crowds, and both performances were pure enjoyment and entertainment. Drawing from the best musical numbers from a long list of past and present Broadway shows, the almost three hours of Showstoppers passed as quickly as old St. Nick on Christmas eve.

The numbers were beautifully presented and the transition from one number to the next was so smooth that you would not know the program was made from a variety of differing Broadway musicals.

I'm tempted to start giving individual accolades, but I know the result would be that someone would be omitted. So, let's say that everyone connected with Showstoppers deserves the traditional bouquet for a show that was done very, very well indeed, and enjoyed tremendously by the audience. Many times the audience's enthusiasm manifested itself with applause before a number's last note was played, and the final montage was accompanied as much by applause as by music!

It is easy to see why Showstoppers were in such demand over the past several years, giving many benefit performances all over the Island. I'm sorry to fully realize that Saturday's performance was the last, because now I can't look forward to seeing it again. For those of you who never saw Showstoppers, my condolences. N.J.D.

Cafeteria Menu

Week Ending July 23, 1970

Friday, July 17	
Clam & Celery Bisque	
Fried Shrimps/Tartar Sauce & French Fries	.95
Broiled Halibut/Spec Butter & 1 Veg.	.90
Chopped Beefsteak/Smothered Onions & 1 Veg.	.80
Monday, July 20	
Turkey Noodle Soup	
Baked Ham Steak/Grilled Pineapple & 1 Veg.	.85
Stuffed Cabbage & 1 Veg.	.80
Beef Liver & Onions w/1 Veg.	.85
Tuesday, July 21	
Minestrone Soup	
Roast Leg of Lamb & 1 Veg.	.80
Frankfurters w/Boston Baked Beans	.70
Baked Lasagna w/Tossed Green Salad	.90
Wednesday, July 22	
Southern Bisque	
Salisbury Steak/Onion Sauce & 1 Veg.	.80
Roast Stuffed Turkey/Cranberry Sauce & 1 Veg.	.85
Broiled Swordfish/Lemon Butter & 1 Veg.	.90
Thursday, July 23	
Onion Soup	
Curried Chicken on Rice & 1 Veg.	.85
Tender Corned Beef & Cabbage w/Boiled Potato	.95
Spaghetti w/Meatballs in Hunter Sauce	.75

Soccer

M.T. Hutchings

The last two weeks of the Departmental League competition provided some exciting games, all played in ideal weather. On Monday 29th June, DAS/AGS failed to pick up any points, losing 1-2 to Chemistry/Medical and 0-2 to Physics. Chemistry/Medical beat Physics 3-1 thanks to a virtuoso performance by Preece who got a hat-trick. The stage was therefore set for the final round on Monday 6th July, with only two points separating the three teams, Chemistry/Medical having overtaken Physics and trailing DAS/AGS by only one point.

Nerves took a heavy toll in the last three games and all resulted in 1-0 scores. DAS/AGS triumphed over Chemistry/Medical in the first game, leaving Physics with an outside chance to catch them if they won both games by high scores. However, they went down to both teams, so that the final positions are:

	Played	W	L	D	F	A	Points
DAS/AGS	14	8	5	1	21	17	17
Chem/Med	14	7	7	0	21	22	14
Physics	14	5	8	1	18	21	11

Congratulations to DAS/AGS who became Brookhaven's first soccer champions! They owe their position to a steady sustained effort and good team work over the weeks of the competition, having beaten off a strong late challenge by Chemistry/Medical.

We shall continue to play Monday evenings at 5:30 p.m. in the Recreation Park throughout the summer. Although the League is over for the moment, we shall endeavor to arrange interesting games each week. Summer visitors and new players welcome. We said goodbye to Emil Samuelson, a founder member, last week. He returns to Norway to swap his soccer boots for skis.

The Annual General Meeting was held on 8th July. Fourteen members were able to attend. Ken Batchelor will take over as Captain and co-ordinator of the activities. Ralph Fairchild continues as Co-Captain and Secretary, and John McCafferty continues as Fiscure Secretary. The coveted post of Treasurer remains open for the moment!

This is my last soccer report for the Bulletin. No doubt the new Committee will keep the world informed of the progress of soccer at BNL through this column.

Tennis Tournament

Last Friday, the tennis committee met and made the seedings and drawings for this year's BERA tournament. Because of the lack of sufficient entries, it was decided to postpone the start of the Ladies' Singles Tournament until July 20 in the hope that more ladies will enter. Unless sufficient additional contestants sign up by tomorrow at 2:00 p.m., this portion of the tournament will be cancelled.

The Senior Men's Singles was cancelled for lack of entries. Only three over-45-year-old men signed up.

BERA will present a trophy to each of the winners only, in the Mixed Doubles and Men's Doubles. In the Men's Singles, awards will be given to both the winner and second place.

Mixed Softball

by Georgia Irving

As of July 7, 1970, there is no doubt that the Neutrons are the undisputed winners of the first half. They emerged undefeated including Tuesday night's victory over the second place He-Shes by a score of 12-6. Two homeruns contributing to this were made by Bob Brown (a consistently good ball player) and Rick McGoe (a League "star" cheerfully recruited from the U.S. Naval Academy at Annapolis, Maryland). We are glad to have Rick, Mark Flaherty, John Stampelos and Pete Acceso (all of Annapolis) play with the League this summer while they work here at BNL.

The second game was a happy surprise for the Amoebas when they crushed the Electrons 17-2! This was the first win for the Amoebas who are now tied for third place with the Electrons - each team having 1 win apiece. What a relief not to be shut out with no wins at all!

Soccer Means Action



The goal keeper gets ready to lunge at the ball being kicked towards the net. —Humphrey



Fancy footwork is a routine matter for the average soccer player.



The heavy socks on the player at left also act as ankle guards.

Movie Tonight

Thurs., July 16 - 8:30 p.m. - Berkner Hall

The Man in the White Suit

Made in 1952 in Great Britain and starring Sir Alec Guinness, The Man in the White Suit is particularly pertinent to modern times. With broad slapstick and social satire Sir Alec, the idealistic chemist-inventor, shows us the chaos he brings to the textile industry - to labor and corporation alike - when he develops a dirt-repellent, indestructible fabric.

Shorts: The House

Louis van Gasteren flashes his camera back and forth in time through the history of an old house in the Netherlands which is being demolished, reconstructing the lifetime mosaics of those who lived there.

The Dreamer

An artistic, colorful animated cartoon made in Yugoslavia about a man who during the course of a typical day gets caught up in his Walter-Mitty-like daydreams.

Movie July 30

Hiroshima, Mon Amour

The Railrodder (Buster Keaton)

V. Levis

Ex-Lab Car A Trophy Winner



BNL Fireman Bernie Doran and son Bill proudly display trophies won with an ex-Laboratory car. The Studebaker, once a BNL Fire Dept. Extinguisher Detail Vehicle, was bid on by Doran in September of 1969. He won. Since then young Bill has been winning; three times to exact, at National Speedway. When not running races, old E-30194 serves as transportation for Mrs. Marie Doran at their home in Port Jefferson Station.

Golf News

The second BGA tournament was held the afternoon of June 29, at Bellport Country Club. This tournament was a "Best-Ball" two-man team event open to members of the BGA and their guests. Fifteen teams were entered. Tied with a net score of 59 for first place were the teams of L. Baker (Safety Office), K. Bossen (guest from Liberty Mutual) and J. Conway (Accelerator Department), B. Sampson (Accelerator Department). A net score of 60 won third place for the team of M. Kinny (Fire Department) and E. Yost (Fire Department).

With more than half the season gone, the standings in the Blue and Green Divisions are as follows:

Blue

1. Hildenbrand-Starke	.594
2. Caunter-Iarocci	.583
3. Dioguardo-Kuzmack	.534
4. Einfeldt-Taylor	.505
5. Korhut-Mayeski	.500
6. Lawrence-Murgatroyd	.495
7. Bates-Casey	.476
8. Flood-Petro	.472
9. Conway-Wirszyla	.462
10. Fontana-Galanter	.455
11. Iarocci-Morris	.433

Green

1. Mantai-Marino	.687
2. Rodgers-Schuman	.631
3. May-Tranis	.622
4. Leon-McFadden	.577
5. Baker-Schonberg	.569
6. Kinny-Yost	.511
7. Johnson-Woessner	.500
8. Czaja-Warner	.444
9. Burlington-Carsten	.379
10. Bunt-Takats	.250
11. Gody-Varela	.244

Softball

by Jack Brennan

First Half Final Standings

Brookhaven League

	Won	Lost
*Dirty Sox	5	3
*Old Timers	5	3
Blue Jays	4	4
AMD	4	4
S&M	2	6

Play-off game between Dirty Sox and Old Timers for First Half winner.

National League

*Bubble Boys	7	0
Metallurgy	5	2
Deadwoods	3	4
Pop-Ups	3	4
Rat Pack	2	5
Phoubars	1	6

Laboratory League

*Chemistry	8	0
Bio-Meds	6	2
Six Pacs	4	4
Charlie Browns	1	7
Converts	1	7

*First Half Winners

Team Captains - Call your League Representatives to report Second Half scores up to July 9th. Games played after that date call Jack Brennan, Ext. 2814, Brookhaven League Rep Walter Chornoma, Ext. 2382, National League Rep Pete Hlavac, Ext. 2348, Laboratory League Rep Dave Comstock, Ext. 628.

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.

BIOLOGY ASSOCIATE - B.S. or B.A. in Biology or Chemistry - Biology Department.

SECRETARY III - National Neutron Cross Section Center - Department of Applied Science

TELEPHONE OPERATOR (2) - Staff Services.

Application Deadline: July 23, 1970.

CHAUFFEUR (1) - Staff Services.

Application Deadline: July 23, 1970.

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

Autos & Supplies

66 FORD FAIRLANE 500 - Auto trans, V8, ps, snows, 34,500 orig mi. Asking \$1150. Ben, Ext. 2591.

68 BUICK SPECIAL DELUXE STATION WAGON - Auto trans, ps, pwr window, new tires & snows. Asking \$2150. Ben, Ext. 2591.

57 PORSCHE SPEEDSTER - For restoration, mech good, new clutch, recent valve job, Michelin X's, 3 tops, needs body work. \$1650. Thornton, Ext. 7177.

60 MG MODEL 1600 - New top, radio, good rubber needs paint. \$350 or best offer. Walter, 281-3620.

68 DODGE DART 270 - 22,000 mi, auto trans, excel cond. Miller, Ext. 7212, 744-9085 after 6.

66 SEARS MOTORCYCLE - 250 cc, very clean, low mileage, tool kit, helmet. \$275. Ken, Ext. 7668.

67 VW - Beige, excel. cond, good tires, radio. \$1000. Bill, 751-2637.

69 JAWA MOTORCYCLE - Excel cond, fully equipped, extras, 175 cc, 700 mi. \$325. 475-2715 after 6.

66 CHEVY BELAIR - Blue, V8, auto trans, ps/pb, r/h, new brakes & muffler, runs well, owner leaving country. G. Tauo, Ext. 7237/533.

69 NOVA - 6 cyl, std trans, 2 dr hdt, 17,000 mi, r/h, 4 new tires. Asking \$1600 or best offer. 727-7483.

TRAILER HITCH - Fits all cars. \$6. Bob, Ext. 2556, 929-4753.

57 VW - OK. \$125. C. Stuebe, Ext. 7525.

66 SUNBEAM HILLMAN MINX - 4 dr, excel cond. \$450. 475-7750 after 8.

64 CADILLAC FLEETWOOD - 4 dr, all pwr, air cond, excel cond. \$950. 475-7750 after 8.

MG MIDGET - Red, custom int, new top, brakes, Michelin X tires, paint, rebuilt eng, must be seen. Frank, Ext. 2395.

62 CORVAIR - Excel mech cond. \$200. J. Brandon, Ext. 2517.

63 CHEVY IMPALA - 4 dr hdt, V8, ps/pb, auto trans, new carb & batt. \$325 firm. 281-5289.

59 FORD - V8, eng good, auto trans but no reverse. \$25. Bob, Ext. 572.

68 VOLVO 144S - 4 dr, blk, 23,000 mi, stick shift, excel cond. \$2050. Wheeler, Ext. 2989, 473-7657 eves.

68 VW BUS - Beige, w/camping equipment, r/h, clock, 4 new Pirelli radial tires. 289-1089.

62 VALIANT - Auto trans, snows, radio. \$200 or best offer. M. LeVine, Ext. 7283.

63 TR-4 - 2 tops, wire wheels. \$750. Ext. 7766.

54 CHEVROLET - 4 dr, good cond, std shift, new tires, batt, valves, \$100 or best offer. Tony, Ext. 7355, AT6-0102.

63 RAMBLER AMBASSADOR STATION WAGON - Recliner bckts, ps/pb, auto trans, V8, r/h. Asking \$250. C. Wuest, Ext. 7694, 727-0488 after 6.

66 DODGE DART 6 - 3 spd, very good cond, radio. \$600. 475-1844.

2 TIRES - 1-7.75x14, 1-7.35x14. \$5 ea. Don, Ext. 657.

65 FORD CUSTOM - 4 dr, auto trans, 6 cyl, needs paint job & front fender. \$100. Frank, Ext. 2598.

64 MG MIDGET - British racing green, good cond, r/h, extra wire wheels w/snows. 473-5546.

63 DODGE WAGON - Ps, auto trans, 318 V8, runs well. \$175. Mario, HR2-1078 after 6.

59 FORD PICKUP - Body needs work. \$100. Carl, Ext. 7440, 924-3528 after 6.

64 TRIUMPH TR4 - Rebuilt eng, new trans, brakes, radial tires on mag wheels, many extras, excel cond, must sell. Asking \$1350. Ext. 2753, 732-9102.

59 VW - New trans axle, batt, recent tune-up, front end job, excel mech cond. \$300. Hodge, Ext. 574, JU8-7211.

64 BUICK - 4 dr hdt, Electra 225, blue, good cond, 2 new tires, new shocks, ps/pb, pwr windows. Asking \$350 or best offer. 727-4548.

63 MERCURY COMET - Auto trans, 6 cyl, r/h, good rubber. J. Bracker, Ext. 2387.

64 CHEVY II WAGON - 473-5546.

2-15" RIMS - \$7/both; 1950 DODGE, best offer. O. Booker, Ext. 2411.

66 OLDS F85 - Auto trans, 4 dr hdt, new muffler, brakes, 2 new tires, good cond, come see, come save. \$1000 best offer. A. Howard, AT6-3585.

67 VW - Tan, excel, radio. Best offer above \$1100. K. Grigsby, Ext. 2449/2532.

Boats & Marine Supplies

20' SAILBOAT - In water, ready to go. AT6-8926.

15' THOMPSON - 50 hp Johnson, 2 gas tanks, new lights. \$400. John, 722-3043.

14' RUNABOUT - Molded plywood w/steering wheel & controls. \$75. Kowalski, Ext. 2314.

18' CHRIS CRAFT HULL - Just stripped to rebuild, w/cabin for offshore fishing, tilt bed trailer. 475-7750 after 8 pm.

PROPELLER - Michigan (bronze), 10 1/2 x 11, for 25-40 hp Johnson or Evinrude motor. Cost \$22, price \$12. F. J. Keute, Ext. 2580, GR5-2287.

3 HP JOHNSON OUTBOARD MOTOR - Runs very well. Asking \$65. S. Anderson, JU1-0950 (Don't call me at the Lab; I'm on vacation at home.)

16' LARSON FIBERGLASS - 65 hp elec motor, navy top & side curtains, Dilly trailer, compass, speedometer, cushions, 18 gal tank, blue & white. \$1800. 585-4038.

17' THOMPSON 1964 - 75 hp Evinrude elec shift, 3 gas tanks, trailer, navy top, excel cond, many extras, ready to go. \$995. 757-8647.

14' ROWBOAT - W/oars, good cond, ready for water. \$45. 732-3002.

22' CABIN CRUISER - W/40-1966 Evinrude elec, 2 bunks, sink, in water, nice combo. \$600. Ext. 7559.

Miscellaneous

DINETTE TABLE - Blond wood, w/1 extension leaf, 4 chairs & 1 arm chair, condition OK. \$30. Llacer, Ext. 618/7230.

3 PC SUIT - Size 39R, hand worsted wool w/muted herringbone weave, worn once. Cost \$112, sell for \$45. Thornton, Ext. 7177.

2 MAN MOUNTAIN TENT - Floor, netting, \$12; lg army pack w/frame, \$8. Thornton, Ext. 7177.

CARRIAGE STROLLER - Folds flat for storage, w/sun canopy & rain shield, like new cond. \$25. Ext. 7826, 929-4039.

MAHOG DBL BED - W/foot board, mattress & box spring, excel cond. \$25. Ext. 7826, 929-4039.

YARD SALE - Sat 7/18, 10-3 (rain or shine), 1909 wall phone, old glassware, chandeliers, furn, misc. Canoe Rd, Sound Beach. 744-6130, 928-0544 after 6.

PLAYPEN - Folding, w/mesh sides, pad, good cond. \$10 firm. A. Auserkern, Ext. 2712.

DINETTE SET - Maple, table & 4 chairs. \$25. Peale, 744-6451.

9'6" SURFBOARD - No dings, w/roof racks. \$100. Bob, 929-4753 after 6.

APACHE TENT TRAILER - W/awning, sleeps 4, new canvas top 2 mos ago, excel cond. \$250. 475-7750 after 8 pm.

STEREO HI FI - Solid State 80w amplifier, am/fm tuner, Garrard changer, 6 speakers, in orig carton. Wheeler, Ext. 2989, 473-7657 eves.

GE REFRIG - In good working cond, need extra room for summer goodies? Best offer. Luccioni, Ext. 560, 732-3762.

HOT WATER HEATER - 30 gal, gas fired, glass lined, good cond. \$10, you take it away. Wheeler, Ext. 2989, 473-7657 eves.

REFRIG - In good operating cond, was given to us, will give to others. J.P. Binnington, Ext. 2294.

WING CHAIR - Comfortable, well built, needs slip cover, no charge. J.P. Binnington, Ext. 2294.

MINI SURFBOARD - Harbor Rapier (custom), 8', soft V bottom, wave set fin, excel cond. \$85. Ext. 7413, 286-8134.

TENT TRAILER - Apache 1966, Eagle w/canopy & other extras. \$500. Ext. 2885, AT6-8175.

COSCO FEEDING CHAIR - Folding, stainless steel tray, converts to youth chair. \$9. AT6-8724.

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

SCREENS & STORM WINDOWS - Alum, 37 1/2 x 50 1/2 (2). \$8 ea. Henry, 727-3830 after 6.

CAMERA - SLR 35 mm, Exakta VX w/2.8 50 mm pre-set Jena Tessar lens, shutter speeds to 1/1000 sec, delay timer, etc. \$60. B. Garfinkel, Ext. 7353, 587-9372.

STEREO CABINET - Blond, \$6; chest of drawers, mahog, 4 drawers, \$15. 473-8011.

DISHWASHER - Lady Kenmore, top loading, portable, 2 yrs old, like new. Cost \$250, asking \$125, owner moving. B. Wood, 929-6573.

MOVING - Boys Tonka trucks, toys, wagon, medicine cabinet, baby blankets, misc household items. B. Wood, 929-6573.

HUMAN HAIR WIG - Dk brown, bubble cut, bought for gift, never worn. \$35. E. Metzler, Ext. 2512.

2 LAWSON ARMCHAIRS - Foam cushions, slip covers, fair cond. \$6 ea. Don, Ext. 2566, 727-5619.

SEARS RIDING MOWER - W/fwd & reverse. \$75. Bob, Ext. 2304.

MATTRESS - Stearns & Foster extra firm, 6" x 38" x 80", almost new. \$15. Don, Ext. 2430.

BICYCLE - Boy's or girl's, 20", \$10; chest, under bed, metal, \$3. AT6-8724.

BEDRM SET - 5 pcs, dbl bed, triple dresser, 5-drawer chest, nite stand, mirror. \$125. 732-8950.

BEER COOLER - Tap, insulated box, barrel fittings & hand pump. \$15. Ext. 7826, 929-4039.

HAM EQUIPMENT - WRL 680A, Heathkit Twoer w/vibrator pwr supply, Hallicrafters S-85 w/Q-mult, Vibroplex key, cheap. C. Starke, 585-2469 after 9.

FIREPLACE EQUIPMENT - Oval wood basket, cast iron grates, brass frame mesh curtain, pull chain, screen, 2 brass & cast andirons, 4 pc shovel, poker & base. Make offer. Don, Ext. 657.

STURDY CRIB & MATTRESS - \$15; matching chif-ferobe, \$15, excel cond; end tables \$5 both. 265-3982 after 6.

B^b CORNET - Good cond, plays well, good for beginner or advanced player, reasonable. Bill, Ext. 2392/2393.

ADMIRAL REFRIG - White, single door, w/freezer compartment, very good cond. \$45. B. Weinberger, Ext. 7415.

PHILCO ELEC RANGE - 36", white, very good cond. \$45. B. Weinberger, Ext. 7415.

BIRD CAGE - Like new cond. Ben, Ext. 2588.

PUPPIES - 3/4 Shepherd-1/4 Collie, 1 male, 4 females, own father (Shepherd) & mother, 4 wk old (2nd litter, pic of first). 286-8890.

STEEL TRUNK - 30" long, \$20; Proctor Silex toaster, 2 slice, \$4. Ext. 533.

TRICYCLE - Murray 12", \$5; tennis racquets (hardly used), 2x, \$5 ea. Ext. 533.

BABY CARRIAGE - English high perambulator (Charlotte by Marmet) converts to car bed, chassis folds. \$35. M. Hutchings, Ext. 7608, 744-2727.

DRESSER - W/mirror, mahog, & vanity w/mirror, mahog. \$25 ea. 924-3236.

10'x24" POOL - W/filter & auto top skimmer. \$25. Henry, 727-3830.

3 PC CURVED SECTIONAL - W/slipcovers. \$25. Henry, 727-3830.

LADY'S BOWLING BALL - AMF Magic Line, w/bag. \$15. Henry, 727-3830.

STEREO HI FI CONSOLE - Bradford-Whittier III, all transistor chassis, maple (Early Am) cabinet, 4 yrs old, 32" x 26" x 18" deep. \$50. Hodge, JU8-7211.

9x12 OVAL RUG - Cleaned, 1 1/2 yrs old, presently not in use, brown, red & white. \$15. Hodge, Ext. 574 after 4, JU8-7211.

DOG CLIPPER SET - By Wahl, incl elec clipper, coarse dog comb & shears, combs, trimming booklet, etc. \$8. Hodge, Ext. 574, JU8-7211.

MOVIE CAMERA - Keystone Capri dial set lens, 8 mm, daylight color film weather adjustments, leather carrying case w/strap. \$15. Hodge, JU8-7211.

FINE DINNER CHINA BY LIRODE - 99 pc set, service for 12, compl, most pieces never used. \$100. Ext. 574, JU8-7211.

CARAVAN PORTABLE ORGAN - Very good cond, separate left & right finger keys. \$35. Hodge, Ext. 574 after 4, JU8-7211.

BLONDE STEREO CABINET - Mahog chest of drawers. \$15. 473-8011.

PHOTOGRAPHIC STUDIO LIGHTS - 3 reflectors, 2 stands. \$15. Ext. 2948.

SEWING MACHINE - Japanese make, zigzag stitch, good cond. \$20. Ext. 2948/7709.

TV'S - Table models, 16" Magnavox w/cart, \$30; 21" GE, \$50; both in good working cond. Ext. 7645 mornings, 727-4884 eves.

TAPES - Cassette, 3 country & western, brand new. \$3 ea. Susan, Ext. 670.

MISCELLANEOUS WOOL RUGS - 1-16x18, 1-8x10, plus smaller ones. 475-5194.

GAS DRYER - Westinghouse DGH 400, many features, perf cond. Asking \$100. 744-6636.

WASHER - Whirlpool LRA 880, many features, continuous water setting, wash 'n' wear cycle, "gentle" cycle, etc. Cost \$290, asking \$150. 744-6636.

GERBILS - \$1 ea. Ext. 2515.

HI-FI MONO - Heath amplifier, Collins am/fm tuner, Altec speaker, Webster changer, cabinets. \$85. Dave, Ext. 7660, AT6-8453.

COLLINS COMMUNICATION RECEIVER - W/speaker, good working cond, reasonable. Ext. 423.

LISOMA ACCORDIAN - 3 stops, 120 bass, w/case & straps. \$130. 924-3775.

GO-CART - 1 1/2 hp Westbend eng, 4 slicks. \$95. 924-3775.

TRICYCLE - Toddler's size, 10" front wheel, good cond. \$15 or best offer. 286-3742.

ANTIQUE COFFEE GRINDER - Wall mounted. \$20. O. Booker, Ext. 2411.

COMPL HI-FI-SYSTEM - Monaural, FM tuner, amplifier, Garrard, AT6 changer, 8" speaker w/RJ enclosure, excel cond, best offer. Ext. 7753, 286-3742.

DROP-LEAF BUTTERFLY TABLE - Solid "Whitney" maple, seats 8-10, very good cond. \$50. Ext. 322.

2 SURFBOARDS - Bunger 9'4" & Hobie 9'6", best offer. AT6-8544 after 6.

GARAGE SALE - 2 sets scuba tank, pack-pack, regulator; surf rod; more. G. Holm, Ext. 7203, 924-4261 all day.

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

CUST COLONIAL RANCH - Picturesque, 3 bedrms, kitchen, 2 baths, din rm, liv rm, fam rm w/fireplace, 2 car garage, bsmt, h/w baseboard, treed prop 126x200, patio, tree house for children, present int rate 5 1/4%. YA4-8462.

SHOREHAM VILLAGE - Wooded acre, water, elec, L-shape. 744-6657.

LOT - 87 1/2 x 100, Oregon Ave, Medford, wooded. \$3300. GR5-4729.

RIVERHEAD - SALE OR RENT - English Tudor, 8 rms, fireplace, paneled rec rm, all new appliances incl, near schools, lovely grounds, 2 yr or more lease, 3 mos security. Sell \$25,000, sm down payment, low rate mort; rent \$250/mo. 727-3849.

SOUND BEACH - 6 rm ranch, 3 bedrms, full bsmt, 1 yr old, assume mort. Ext. 2198, 744-6827.

N. PATCHOGUE - Summer bungalow, 4 rms, screened porch, must be moved from property, make offer. GR5-8330.

SHOREHAM - Custom Cape Cod on LI Sound, 4 bedrms, 2 baths, knotty pine bookshelves, fireplace, h/w heat, walk-in greenhouse, lg treed lot, deeded beach rights. 744-3959 after 5:30.

BELLPORT VILLAGE - 4 bedrm contemporary home, lg trees, near shopping, churches, bay. Asking \$39,000 thru realtor, FHA loan commitment of \$33,000 avail. 286-0741.

For Rent

BROOKHAVEN - Colonial ranch, 4 bedrms, 2 1/2 baths, liv rm, din rm, paneled fam rm w/fireplace, dine-in kitchen, bsmt, 2-car garage. \$265/mo. 286-8134.

BOAT TRAILER - 4 wheel, 21' long, 3000 lb cap. \$12/5 hr, \$20/24 hr. Universal hitch rental available. Walter, 744-6903.

FURN HOUSE - E. Patchogue, 200' from Bay, avail for Aug, 4 bedrms, on 2 acre wooded lot, compl privacy, families only, reasonable. 475-1844.

FURN HOUSE - 4 bedrms, Brkvhvn hamlet, avail 9/1/70, 9 mos or 1 yr lease. Palevsky, Ext. 659, 286-1046 eves.

4 BEDRM HOUSE - Shoreham, 7/30-9/7, lg yard, near private beach. Ext. 7666, 744-2836.

NEW RANCH - 3 bedrms, 1 bath, den, heated garage, Holtsville area. \$250/mo. By appointment only, Monday-Friday, GR5-6158, 6-10 pm.

Wanted

CHILD'S DESK OR TABLE & CHAIRS - Must be sturdy, blackboard, bookcase. 473-7918.

ROOMMATE - To share 5 rm house in Riverhead, share expenses, clean cut guy only, references. 727-6437, 6-8 pm.

RADIAL TIRES - Pirelli Cinturato, 165x15, need 2 in good cond. George, Ext. 7463.

TO RENT - Unfurn 3 bedrm house within 15 mi of Lab, rental to begin mid-Sept 1970. Ext. 2720.

PORTABLE TAPE RECORDER - A good Sony reel-to-reel. Claire, Ext. 7421, 744-5969.

WILL SELLER - Of 2 Danish modern chairs to C. Hull please call Ext. 7421? They need replacement straps which I cannot seem to buy & I need info on where obtainable.

SAND TIRES - 11.00x15. G. Krey, Ext. 7177.

ENGLISH BIKE - Boy's full size, good cond, reasonable. N. Schinn, Ext. 2327, AT6-8772.

SKILLED TYPISTS - To volunteer to transcribe school text bks to very lg type copy, elec typewriters loaned to volunteers by Industrial Home for the Blind which is in real need of these services. D. Potter, Ext. 2953, HR2-2262.

USED GAS LAWN MOWER ENG - George Jr., 744-5741.

BABYSITTING JOBS - High school girl avail to babysit, Bellport-E. Patchogue-Patchogue areas. Janet, 286-0906.

283 CHEVROLET ENG - V8, powerglide. W. Lundgren, Ext. 7525, 588-1566.

HAS YOUR BABYSITTER GONE FOR THE SUMMER? Call me for Mastic-Shirley area. Sharon, 281-4140.

BABYSITTING - Jr high school girl wishes babysitting jobs in the Farmingville-Lake Ronkonkoma area, experienced. 732-8241.

FLUORESCENT LIGHT FIXTURES - 4' length. M. Greene, Ext. 7779.

SHOTGUN BARREL - Winchester M12 feather wt 12 ga, 30", full choke. Bill, Ext. 7693.

USED 195 CM METAL SKIS - And/or buckle boots. Ext. 7789.

22'-25' OPEN INBOARD BOAT - W/soft top, good cond, no older than 10 yrs. Ext. 2411.

HOME - For 6 wk old pale orange male kitten. Commerford, Ext. 2919, 281-7547.

Carpools

DRIVER WANTED - To compl existing carpool from Huntington. Frank, Ext. 2960; Herb, Ext. 2270.

PAYING RIDER - To & from Lab, 8:30-5, S. Country Rd, Brookhaven area. Ginette, Ext. 7356, 286-0091 after 5:30.

Lost & Found

FOUND - A black-white part Siamese cat which is being fed by occupants of 2 Harvard Rd, Shoreham. Please claim it by calling Ext. 7421, 744-5969.

FOUND - Physics Dept parking lot, pr men's 1/2 glasses. Receptionist-510, Ext. 7600.

Classified Ad Policy

Deadline is 12 noon Friday for publication the following week.

1. The Brookhaven Bulletin's classified section may be used only by active and retired laboratory employees.

2. All items for sale or rent must be the advertiser's property.

3. Ads for material acquired for resale in association with a full or part-time business cannot be accepted.

4. Firearms offered for sale or trade may not be brought on site.

5. Ads not carried because of space restrictions will be held for publication in the next issue.

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

7. Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employee's 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