

Volume 28 - Number 33

BROOKHAVEN BULLETIN

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August 16, 1974

Better Conditions For BNL Research Patients

For many years, there has been an effort underway in the Medical Research Center to improve research patient processing.

Research patients coming to BNL on an out-patient basis for examination and those being admitted to the Hospital have always shared the waiting room and reception center in the Industrial Medicine Clinic with BNL employees. When the clinic was first in operation this was adequate, but with the increasing numbers of research outpatients, it is no longer feasible.

Many of the research patients are elderly and are escorted by a relative or friend, adding to the number of people in the waiting room at any one time. Although research patient visits are usually scheduled, most visits to the Industrial Medicine Clinic are not, with the exception of annual employee physicals. Therefore there is no way of ideally controlling the flow of visits to the clinic each day.

The alternative was to have a separate entry area for the research patients. Many plans were discussed. The one finally settled on, primarily for economic reasons, was to construct an area adjoining the Industrial Medicine Clinic.

Last week the construction began and is expected to continue for at least ten months before completion. According to John Holder, Hospital Administrator, and Al Finn, Medical Administrative Officer, the date of completion depends on the availability of construction materials.

The floor plan was drawn up by Plant Engineering based on discussions with Dr. Eugene Cronkite, Dr. Lewis Dahl, Dr. Robert Love, and Al Finn, after consultation with hospital employees. The new section will have two examining rooms, a waiting room, an admission office and reception room, a storage room for records and equipment and an office area. It will have its own outside entrance and will be connected to the main medical building by two corridors. One will open into the existing lobby of the medical building and the other corridor will be for easy access to other examining rooms and the Chemical Pathology Lab

Official and Special Events

Wednesday, August 21

C.W. Post Summer Workshop on Nuclear Power-Benefits and Risks

Tuesday, August 27 Concert - 8:30 p.m., Berkner Hall

Thursday, September 6

Magnetism Steering Committee Concert - 8:30 p.m., Berkner Hall

Service Awards — August

25 Years

Charles P. Baker	Physics
Frederick H. Kuhn	Accelerator
William A. Rogers	Purchasing
Charles F. Ruege	Applied Science
Frank J. Rumph	Physics
Luke C. Yuan	

20 Years

John L. Batdorf Health Physics & Safety Marilyn H. McKeown Physics William J. Ruppert Plant Engineering Frederick J. Stoffel Photog. & Graphic Arts Genevieve C. Zaharakis Supply & Materiel

10 Years

Robert H. Bergoffen	Reactor
Victor J. Emery	
Ralph F. Furness	Plant Engineering
Darrel D. Joel	Medical
Doris L. Kilthau	Medical
Geraldine M. Laino	Biology
Ronald J. Nawrocky	Accelerator
George A. Taylor	Applied Mathematics
Stephen T. Waski, Jr	Plant Engineering

Bowling Reminder

Priority deadline for last years team entries is August 16th; deadline for all team entries is August 23rd. Bowlers wishing to join a team should call George Guydish, Ext. 2486, or Grace Fales, Ext. 2971. Come on out and join the fun!

Hospital Construction





Construction is started on the new research patient processing area at the Medical Research Center.

SUNY Offers Eng Courses

This fall, "English as a Second Language" will be taught at the State University of New York at Stony Brook at the beginning, intermediate, and advanced levels. The course is designed to give foreign-speaking individuals a chance to improve their speaking, reading, writing and listening comprehension of the Enlish language.

The courses, which begin September 3, will include laboratory work. Registration will be on Monday, August 26 through Friday, August 30, between 9 a.m. and 4 p.m. It is not necessary to be a regular student at Stony Brook to enroll in the courses.

For further information, contact Susan Chanover, Director, International Student Office, 353 Administration Building, S.U. N.Y. at Stony Brook, Stony Brook, N.Y. or telephone 246-6050 or 246-6051.

Labor Day Food Service

At the Cafeteria the snack bar will be open from 9:00 a.m. to 2:00 p.m. daily on Saturday, Sunday, Monday, and Tuesday, August 31st through September 3rd.

The Tap Room at the Brookhaven Center Club will be closed on Saturday, Sunday, and Monday, reopening at 5:00 p.m. on Tuesday evening, September 3rd.

The Vended Food Service in Building 912 will be in operation throughout the Labor Day weekend.

Research Library

The Research Library has several excess copies of new and old scientific books and monographs. Employees and summer students are welcome to view and remove any of these titles. Inquire at Circulation Desk.

Transition Radiation Work



Pedro Javier, a summer student working in the Physics Department, prepares to make an aluminum irradiator for use by the Yuan Group in their transition radiation project.

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A Summer Study on Transition Radiation

"I wanted the opportunity to work with high energy physics, so I've accomplished my goal this summer," says Pedro Javier, a summer student working with the Luke Yuan Group and George Dell in Physics.

Javier's work has been two-fold this summer. He has been building aluminum and mylar irradiators and high voltage dividers for the Yuan Group's Transition Radiation Project. He has also been working with Carole Kleinman, a graduate student from Adelphi University, who is working on her doctorate in cosmic ray physics. They have set up an experiment similar to the Yuan Group's to watch the transition radiation of accelerated particles during which the readjusting particle emits gamma-rays. "What we've done," says Javier, "is set up the multiple wire chambers with the aluminum irradiators, in sets of 50, placed in between. Between each aluminum frame there is a 30 mil gap of air. The purpose of the air gap is so that the particle will recover in preparation for another transition. The aluminum foil used in this experiment is very thin - 1 mil (1 mil = 1/1000 in.) - so that the radiation from the accelerated particles will not be absorbed. The multiple wire chambers pick up and detect radiation emitted in the transition."

The work done by the Javier-Kleinman team has been extensive and has encompassed all facets of their experiment. Javier and Ms. Kleinman were responsible for building and setting up the electronic equipment with which these accelerated particles are irradiated and analyzed. "We had to look around for the exact parts we needed. With this type of experiment you need a lot of precision," says Javier.

There is a similarity between the Yuan Group Projects and the experiment being done by Javier and Kleinman. Both are working with transition radiation of accelerated particles. But the Yuan Group is using as sources the cosmic rays in the Colorado mountains and the beam at FNAL for which Javier has been building the irradiators. The source for Javier's experiment is the AGS beam. Javier discussed the process by which the particles are detected and analyzed, "First the beam goes through the scintillators and the Cherenkov counters. The signals from these detectors go through the discriminators and then are made to coincide. The beam also passes through the aluminum irradiators. While passing through the irradiators the particles emit transition radiation. This radiation is picked up by the wire chambers. The coincidence of the scintillators and the Cherenkov counters signal is used to trigger the wire chamber signal through the Linear Gate. The signal is then amplified and sent into a multichannel analyzer. This gives us our data."

Javier, who graduated from the University of Puerto Rico at Mayaguez this past June, majored in Physics. I've always liked math and science, and physics has the most interrelation between the two. I would like to do research in the future but I also love teaching," admits Pedro. "I actually learn more about something when I teach it; it's then that I really get the full understanding." Javier did do some instructing while a student at the University, as an aid to fellow classmates. "I plan to return to Puerto Rico. My dream is to devise a method to teach physics to small children by using everyday examples," explains Pedro.

This is the second summer Pedro has spent on the U.S. mainland. "In '68 I was here travelling with the Scouts. We saw a good deal of the country then," recalls Javier. This year Pedro spent some free time sightseeing and visiting relatives. "I spent about three weeks in New York City," said Pedro. "I was shocked by the coldness of the people and a mazed at the constant rush everybody seemed to be in. But here on Long Island there's not so much rushing around and the people are friendlier."

Pedro is living in Patchogue with his wife Maria. Upon termination of the summer student program Javier will begin working on his doctorate in Physics at Pennsylvania State University -Angela Hill

Particle Detector Builders



Carl Anderson (left) and George Munoz are seen through a matrix interphase which is a piece of equipment used in a particle detector. Anderson, Munoz, and Sauter, all of the Physics Department, have played a major role in the building and servicing of equipment used in the FERMILAB total cross section experiment.



Harry Sauter, Physics, assembles a scintillator counter similar to the ones used in the total cross section experiment at FERMILAB being conducted by BNL, FERMILAB, and the Rockefeller University.

"La Guerre Est Finie" To Be Shown August 22

The French Group of BNL will sponsor a showing of the film "La Guerre est Finie" at Berkner Hall, on August 22 at 8:30 p.m. The film has French dialogue with English subtitles. All members of the Brookhaven community and their friends are cordially invited; for those who are not members of the French Group there will be an admission charge of \$1.50.

"La Guerre est Finie," the fourth feature-length film to be directed by Alain Resnais, was first shown in the U.S. at the New York Film Festival of 1966. Resnais's first two major films, "Hiroshima, Mon Amours," and "Last Year at Marienbad," were full of strange and somewhat baffling switches of time and place. This film, on the other hand, is almost old-fashioned in its chronological, novelistic screenplay by Jorge Semprun. Nevertheless, Resnais continues to use the superb technical finesse he developed in the earlier films.

The story concerns a remnant of the Spanish underground, grown old but keeping itself alive with the delusion that the Franco government will still fall, thirty years after the Civil War. Diego, a stoical, Camus-like member of this revolutionary group, is played by Yves Montand in the outstanding role of his career. As the film develops, Diego's belief in political mythology is gradually replaced by the realization that it is his love for Spain as his homeland that keeps him in the revolutionary group. Reality is represented by Marianne (Ingrid Thulin), Diego's loyal mistress, who is completely outside the political game - in fact, she has never even been to Spain. Their love scenes together are filmed realistically, erotically, and movingly. By contrast, Diego's brief affair with the much younger Nadine (Genevieve Bujold) arises directly from his activities as a professional revolutionary. Nadine's immature admiration of Diego is that of a "groupie" for a rock star she is overwhelmed by the 007 side of his life. The love scene between Diego and Nadine is treated by Resnais almost as a sexual fantasy rather than a genuine relationship between a man and a woman.

This film received much critical acclaim upon its release in the U.S. Brendan Gill (*The New Yorker*) wrote:

"Resnais's experiments in movie-making are as important and as distinctive as Faulkner's in the novel... Montand is unforgettable."

And from Judith Crist:

"A triump and a thriller . . . Erotic scenes . . . of such outright beauty, such superb subtlety . . . One of the most important films of the past several years."

Arrivals & Departures

Arrivals

Richard C. Melucci	Physics
Paula N. Newhouse	Applied Science
Ann W. Reisman	Applied Science
Nicholas C. Slatterley	Central Shops
William J. Ware	

Departures

Edward V	. Cambria	Accelerator
Janice M.	Olsen	Personnel
Shin-Nan	Yang	Physics

Touch Football League

Team rosters are now being accepted for the fall Touch Football League. Team captains should submit their rosters as soon as possible to Jack Brennan. All individuals who are interested in playing but are not already on a roster, should call Jack Brennan (Ext. 2488). This just might be the year somebody can take a game from AMD!

Basketball Clinic

Wayne Treadwell, the Youth-on-Campus worker for the Summer Recreation Program, tells us that the mini-clinic for basketball skills is going extremely well.

Children from six to thirteen years of age have registered and are participating every Tuesday and Thursday from three to four o'clock in the Gym. The program will continue for another three weeks and new participants are invited.

Keep up the good work, Wayne!

BGA

On Monday, August 5, the BGA held an 18-hole tournament at the Flagg C.C. in Baiting Hollow. We had a fine turnout of 28 enthusiastic golfers.

Audrey Blake, the only female to play, won low net with a fine round of 65. Congratulations to Audrey! Second low net was won by Dick Hildenbrand with a 70.

First and second low gross went to Les Lawrence and his partner, Bob Casey, with an 81 and 82 respectively.

Tied for third low net with a 71 was Tom Iarocci, and John Dioguardo. Other winners were: John Scharpeger – closest to pin, Charles Flood – longest drive, and Geoffrey Follenius who won the Calloway with a 74.

The next tournament will be held the week of September 2, at Rock Hill.

All BNL employees are encouraged to turn out. Watch for details in next week's Bulletin.

Selected Reading

New Sci. 63, July 4, 1974

Does privacy threaten research? J. Hanlon. 30-1 A man whose time has come. C. Sagan talks to I. Ridpath. 36-7

Science 185, August 9, 1974

Social origins of American scientists and scholars. K.R. Hardy. 497-506

Sci. Amer. 231, August 1974
The disposal of waste in the ocean. W. Bascom.

16-25 The rise of coal technology. J.R. Harris. 92-7

Facing tomorrow's crises today: A policy of prevention. Remarks by Commissioner W.O. Doub, U.S. Atomic Energy Commission, before the Fifth Westinghouse International School for Environmental Management, Fort Collins, Colorado, July 26, 1974. Press Release No. S-12-74, July 31, 1974.



The Fire Department visits with us at least once a year and tells us all about firefighting. As a special treat we can play with the foam.



Week Ending August 23, 1974

BROOKHAVEN BULLETIN (3)

Published Weekly for the Employees of Brookhaven National Laboratory CARL R. THIEN, Editor

JEAN BURKE, Assistant Editor
CLAIRE LAMBERTI, Editorial Assistant

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Monday, August 19	
Onion Soup w/Croutons	
Macaroni & Beef	1.00
Beef Liver & 1 Veg.	1.00
Tuesday, August 20	
Cream of Tomato	
Scrambled Eggs w/Sausage	
and French Fries	.95
Chopped Steak & 1 Veg.	1.05
Wednesday, August 21	
Vegetable Beef Soup	
Corned Beef & Cabbage	1.20
Creamed Chicken on Rice	1.10
Build Your Own Fruit Bowl (Tax In-	cl.) .60
Thursday, August 22	,
Chicken & Rice Soup	
Barbequed Fresh Ham & 1 Veg.	1.15
Lasagna w/Meat Sauce & 1 Veg.	
Friday, August 23	
Clam & Celery	
Chili Con Carne w/Rice	1.00
Broiled Blue Fish & 1 Veg.	1.10

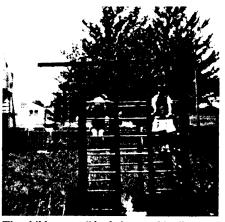
Upton Nursery School Starts Classes Sept. 9

Upton Nursery School is a co-operative pre-school for the three and four year old children of Brookhaven National Laboratory employees.

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

The teachers are professionals and the classes are small enough to give each child the attention he needs. The teacher is assisted by one parent in each class at each session. Parents cooperate in the running of the nursery school which enables us to keep the tuition fee low. Car pools are also available.

There are still openings for the coming year. If you are interested in enrolling your child please call Anne Garrett, 286-1825, for further information.



The children can "do their own thing" or participate in group activities, always carefully supervised by the teacher and participating parent.



A trip for Mrs. Rowley's 4-year olds on the Long Island Railroad. Other trips taken were to local beaches, parks, farms, libraries, and other interesting places where the children could enjoy themselves and learn about the world around them.

Brookhaven Bulletin

August 16, 1974

Track and Field Day

Last Friday the BERA Summer Recreation Program held its annual Track and Field Day at the Recreation Building. Boys and girls of all ages took part in a wide variety of events which required skills in running, jumping, throwing, strength and coordination. There was even a stamina race called the "run as long as you can" marathon.

Thirty-six prizes were awarded in all. First place winners were: sack race – Sheela Chikkappa and David Miles; 50 yard dash – Sally and Peter Moskowitz; wheelbarrow race – Claudia and Jeff Meyers and Manjuatha Chikkappa; shot put – Vijay Pahde and Mark Maynard; marathon – Sandra Cowley, Eric Meyer and Mike Birgeneau.

Trophies and ribbons were awarded after the races and each child enjoyed a good drink and lively conversation with program personnel Barbara Smalle, Mary Grace Lazzaro, Jim Waite and photographer Doug Humphrey.

This week's special is Contest Day at which time BNL shirts will be awarded to contest winners. The Program's last special for the year will be Monster Day on August 23rd.

Tug of War and Spoon Races

"Pull, pull," was the cry at the swimming pool last Friday as the Summer Recreation Program sponsored the Tug of War for the children over ten years old. A long rope, extended across the pool, provided fun and laughter for spectators and lots of hard work for participants. Two teams, each consisting of eight strong youngsters, pulled and tugged the rope until one team was yanked into the pool's deep end. Victory signs flashed from the hands of the winners Lawrence Emery, Mary Ann Wolf, Barbara Stevens, Yaneer Bar-Yum, Peter Meinhold, Frances MacKenzie, Cathy Meinhold and Sageet Bar-Yam.

At the shallow end of the pool the little children raced across the water with a pingpong ball delicately balanced on a plastic spoon. Readers should try this trick sometime! What a show the tikes put on with winners David Miles, Eric Meyers, Kevin Cashlein, Claudia Meyers, Sally Moskowitz, Sandra Cowley and Sheela Chikkappa being the best of all.

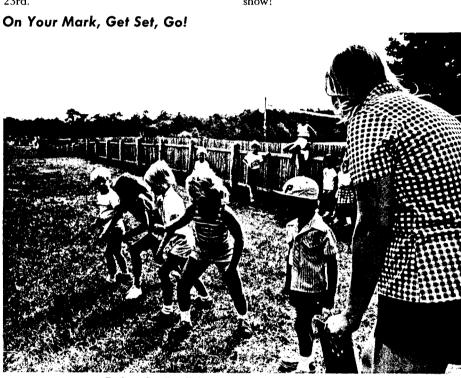
This week's pool special is Undressing in the Water. That should be an interesting show!



First place winners of all the races sponsored by the Children's Recreation Program last week, beam with pride behind their winnings. There were five races: the sack race, marathon, shotput, wheelbarrow, and 50-yard dash.



The second and third place winners hold their ribbons.



Barbara Smalle officiates the start of the 50-yard dash.



Sack racers hop to victory.



It is difficult to wheel something that does not have wheels but the contestants in the wheelbarrow race didn't seem to be bothered.

Clubhouse (Not So Confidential)

The Converts, led by Ron Weider, clobbered the Phoubars 14 to 13. Fantastic hitting by A. Feldman and great left field play by D. Doroski subdued the Phoubars. The Phoubars just couldn't fathom Glenn Snape's pitching. You might even say that they choked up?

Well for every hero there has to be a "goat" and the award this week must go to Barney Brehm. With the tying run on second base in the top of the sixth inning he popped up, killing the rally. Rumor has it that G. Sabine might send him back to the minors.

Streakers lambast Charlie Browns 12 to 7. Poor "Charlie Browns" just don't have it anymore! Once again K. Grey pitched a good game with help in the field from B. Trent and at the bat from A. Kreisberg (before the season is over Arnie may hit the ball all the way to third base). Another homerun by T. Jesaitis for the C.B. He now has a chance to catch Hank Arron for the all time homerun leadership! What happened to Fred Hohmann of the C.B.?

-B. Brehm

Water Carnival Will End Summer Program

All children of Laboratory employees are invited to take part in the gala water carnival which will be held at the swimming pool on Wednesday, August 21st at 7:00 p.m.

Each year, the carnival is held to climax the Children's Summer Program and has, in the past, been a rousing evening of fun and entertainment. We can honestly say the kids always have a good time. The Recreation Summer Staff is working extra hard to guarantee that this year's Carnival will be bigger and better than ever.

Turn your kids loose next Wednesday night. The more the merrier!

Participation Awards

The distribution of participation award jackets, etc., will be held on the 4th Thursday of August rather than the 3rd Thursday. That will be Thursday, August 22nd, between 12:00 and 12:30 at Personnel.

This change will be effective only during the month of August. Starting again in September, the distribution will be held on the third Thursday.

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.

EXPERIMENTAL METAL WORKER (1) - Central Shops. Application deadline: August 28, 1974.

EXPERIMENTAL METAL WORKER - Central Shops Division

CHEMISTRY ASSOCIATE - Temporary position. Department of Applied Science.

PHYSICS ASSOCIATE - Physics Department.

Auto & Auto Supplies

68 CHEVY - Wagon, Belair. 6 pass, 307 cu in V8, auto, R&H. \$700. Ext. 2534.

65 CHEVY PICKUP - with 70 Camper, Sleeps 6, Self contained. \$2500. Camper only, \$1900. Ext. 2534.

67 MUSTANG - 289 V8.74.000 miles. Radial tires (Sears, 4000 mi). Good running cond, air cond, some dents. \$350. Conard, Ext. 3577. 941-4127 after 6.

68 VW WAGON - Camper w/71 VW motor. Good cond. \$1200 or best offer. Fred, 298-8173 after 6 or Ext. 3559.

65 CHEVY PICKUP - B. Taylor, 298-4089, Ext. 4662. 71 PLYMOUTH SCAMP - \$1700. Bill Lawson, Ext.

69 FORD, 4-dr, 6 cyl, new eng, auto. R/H w/stereo, tape deck, new tires. \$700. Mike, 567-0054, Ext. 2350. 2 TRUCK TIRES - 8.75x16.5, 8 ply. \$25. R. Lehn, Ext. 3351.

18' TRAVEL TRAILER - (1965 fan). Sleeps 6, gas, 12 v, 120 v gas or elect. ref., head, hot shower. Mike, 588-9541, Ext. 2350.

65 BUICK LESABRE - Excellent condition. No body rust. E. Platner, 744-3235, or Ext. 3922.

12-VOLT FORD GENERATOR - Good condition. \$5.00. Frank Rumph, Ext. 4581.

STATION WAGON - Mercury 9-passenger. Good mech cond. Needs muffler. \$225. E. Harris, 475-8504,

73 BUICK LESABRE - Custom, power st, br, windows, a/c, stereo. 13,000 mi. \$3400. 363-6307.

2 - 14" wheels for Chev. \$8. Ext. 2041.

TRAILER HITCH - Fits 71-72 Mercury Montegos; rocker arm cover gasket for 283 Chevy eng. Dale, Ext. 2022, 281-8579.

64 FORD GALAXY - Passed inspection, runs OK. \$125. Walt, Ext. 3418, 588-3779.

72 HONDA SEDAN - 16,000 mi, front w/d, excel mpg & cond. \$1200. John, Ext. 2501.

TRADE - Set of 4 Firestone G78-15 belted tires w/ 5000 mi ea, for set of 5.60x14 or equivalent size used radial or belted tires. Tom, Ext. 3525.

63 VW - W/sunroof, eng recently overhauled. \$450. Ext. 3612, 744-9827.

64 CHEVY 1/2 TON PICKUP - 6 cyl, inspected. Ken, Ext.

62 VW CAMPER - Ray, 231-7158 after 6.

2 - 14" RIMS - Like new. 2/\$8. Ext. 2972.

62 VW - Body good, eng needs work, not running. \$75 or best offer. Alan, Ext. 4386.

68 FORD STATION WAGON - Good cond, best offer. Ext. 4896.

68 CHRYSLER NEWPORT - 4 dr sedan, best offer. Ext.

72 CHEVY VEGA - Sedan, auto trans, r/h, excel gas, very good cond. D. DeGuiseppe, Ext. 4581, 281-8044

69 BSA - 500 cc, top end rebuilt & new brakes in spring. \$750. Vince, 281-6776.

65 VW BUG - Clean, good running cond. \$425. 281-3460.

HOOKER HEADERS - For 65-70 396-427 full size Chevy, \$40; Holley cast iron intake manifold w/heads (w/o springs) for 396, \$25. Claire, Ext. 2346, 281-8306 after 5:30.

WEIAND ALUM INTAKE - For 64 Plymouth & Dodge, \$30; posi rear for 64 Dodge. Claire, Ext. 2346, 281-8306 after 5:30.

Boats & Marine Supplies

after 5.

32' WHEELER - 1955, twin FW cooled interceptors, 50 hrs. Needs paint. Must sell. GR5-5968.

18' ELTRO - With 60 hp outboard, new upholstery, elec start, very good cond. \$700. Ed, Ext. 4127.

18' FIBERGLASS BOW-RIDER - 65 hp. elec start w/ power tilt, 72 Cox trailer, extras. \$1650. Tom, Ext. 73 SPORTCRAFT - 171/2' F.G. w/40 hp Merc o/b. Elec start. Extras. \$2000. Firm. Mike, 567-0054. Ext. 2350.

73 SUNFISH - Excel cond. like new \$500, Call 751-8704.

PORTA POTTI - Like new. \$50, or make offer. B. Dieffenbach, GR5-8710.

58 LUHRS - 28' Sportfisherman, fly bridge, CB radio, 2 gin poles, 225 Gray. Rebuilt this year - new manifolds, starter, alternator, etc. \$2500. Ray, Ext. 2952, 281-2572 after 6.

EVINRUDE 3 hp motor. Good cond. \$95. 286-8849. LIFE JACKETS - Stearns Sans Souci for ages 2-5. Up to 50 lb. \$7. 473-2473.

25' WOODEN CRUISING SLOOP - Completely refurbished 1973. 10 hp Hermath aux. Depth sounder & misc. equipt. \$4000. 929-4487.

18' SLOOP - Stainless steel hull. Fixed weighted keel, trailer. \$800. E. Platner, 744-3235, Ext. 3922.

73 OUTBOARD - 1973 Evinrude 40 hp. Long shaft, excel cond. \$450, 289-8670.

MERCURY OUTBOARD FLUSHETTE - Run motor w/ garden hose, for yr. 62 to date, ph 65 to 135. \$3. Ext. 3280 lunch time, 727-3608 after 5

18' CHRIS CRAFT - 33 hp Evinrude outboard. Boat in water. Good cond. C. Spirio, 878-2864.

23' CHRIS CRAFT - 6 cyl eng, auto bilge pump, good cond, in water. Dale, Ext. 2022, 281-8579

30' CHRIS CRAFT CABIN CRUISER - Twin engs, shipto-shore radio, extras, in water, good cond. 751-

18' CLAMBOAT - 'Garvey," new oak & plywood, fiberglass seams. \$550. 732-3296 after 6.

15' MFG GYPSY FIBERGLASS 1970 - W/canvas cover, 60 hp Johnson, tilt Cox trailer. \$1500. 472-0035, 10 a.m.-3 p.m.

21' CRUISEALONG CABIN CRUISER - In water, rebuilt Grey marine eng, sink, toilet, bunk beds, excel cond. 286-1108.

14' STARCRAFT ALUMINUM - 25 hp Evinrude, Sea Lion trlr, sub flooring, steering wheel, controls, etc., all 1973, less than 5 hrs on all. \$1150, firm. 281-8684 after 6 p.m.

Miscellaneous

ADC-FM RECEIVER MPX - 90 watts, excel cond. \$85. 281-8274.

GUITAR - Elec harmony, solid body, dual pickup w/ Gibson amp. Suitable for beginner. \$75 for both, firm. E.E. Wild, 231-8495.

BOY'S SLACKS - And sports jackets, \$3, \$4, & \$5. Bureau, birdseye maple w/mirror. \$35. Angela Munsterman, 744-5871.

WHIRLPOOL AIR-COND - 23,000 BTU. Hardly used, like new. \$250. John, 281-5809.

FREE - 3 kittens (2 black females and 1 black w/brn streaks, male). Only 5 wks old. Ruth, Ext. 4106.

NAME CALLER - Automatically dials 38 numbers. Cost \$60. Used, \$25. Mr. Saxon, Ext. 3435.

CAMERA - 35 mm SLR Pentaflex, with case. f2.8, 50 mm lens. Like new, \$60. Joe, Ext. 4477.

ROYAL TYPEWRITER - Companion, light weight, portable. Less than 1 yr old. \$35. Joe, Ext. 4477

CALCULATOR - Line operated table model, Commodore C-8, less than 6 mos old. \$50. Joe Ext. 4477.

15" TV - Black & white G.E., VHF-UHF, 2 yrs old. Perfect cond. \$50. Joe, Ext. 4477.

STEREO - Panasonic model No. 7076, with Garrard turntable, headphones. 2 yrs old, excel cond. \$100. Joe, Ext. 4477.

1966 150 CESSNA - 8835 6. Good cond, \$3,800. Ext. 2534.

CASSETTE - Tape player & recorder w/adapter. \$45. Eleven cassettes, \$3. ea. Ext. 2534.

BIRD CAGE - Large w/stand. Good cond, \$10. Cylindrical cage, \$5. Irene Merritt, LT9-5126.

PUMP - & filter, Metaframe Hash I. Retails \$8.99.3 plants, all for \$5. Like new I. Merritt, LT9-5126.

FLUTE - Gemeinhardt, open hole, solid silver head. Like new, excel for student, \$125, Wally, Ext. 4046.

SWIMMING POOL - 18' x 4'. Compl w/safety lad, vac, filter, all chems, etc. 3 yrs old. \$125. 473-2716, after 6 p.m.

PLYWOOD - 3/4", \$9.50 per sheet. Good quality. I have 14 sheets, sanded 1 side. Ext. 4174, 475-7690 PULLMAN CARRIAGE TRAILER - 1973, 24', sleeps 5, self cont. many extras. \$5,900. Marie, Ext. 3155, 3143 days, 732-6137 eves.

ACCUTRON WATCH - Gold face, sweep sec hand, like new cond. Li, Ext. 3828, 751-7250.

PICTURE WINDOW - Triple, 10' wide. Comp s/s. Vg cond, reasonable, 744-5553.

H/W HEATER - Elec, 32 gal GE, \$20. O. Booker, Ext.

ELEC CARVING KNIFE - \$4; elec blanket, dbl size, \$5. Frank Rumph, Ext. 4581.

REFRIGERATORS - Two, w/freezers. 1 sm apt size, 1

large. Ext. 4666, 475-8504. SOFA - Blue colonial, 3 cushion, wood arms & legs. Good cond, \$75. M. Sparrow, Ext. 4697, 727-4859.

DESK - Student's maple 6-drawer desk, 43" w, good cond. \$20. Nagle, Ext. 2262.

6-METER TRANSCEIVER - 50w to final, converter uses car radio as tunable IS w/good Heathkit mobile supply. \$45, 475-3149.

HUMIDIFIER - Oasis model, walnut fin alum case, auto humidity cont, A-1 cond. \$50. 475-3149.

RF SIG GEN - Lafayette TE-4, has provision for xtal marker. \$20. 475-3149.

6-METER TRANSCEIVER - 10w to final, w/mobile pwr supply & halo ant. \$25. 475-3149.

STEREO TURNTABLE - Zenith, 78, 45, 331/2 rpm, AM/ FM, vg cond. \$50. 475-3149.

CASE TUMBLER - For cleaning ammo brass, Boston

gear reduction drive, Ig capacity. \$35. 475-3149. ENGLISH SADDLE - Used, clean good cond, w/new

stirrup leathers, irons, girth & felt pad. \$50. 475-9294. REFRIG/FREEZER - Hotpoint CP14, excel running, f/f refrig. \$100 or best offer. 475-1183 after 6 p.m.

BOWLING BALL - Brunswick Black Beauty, never drilled, w/case. \$25. Ann, Ext. 3143.

TRAILER - Single axle, flat bed 6'x8', excel cond. \$100. 289-3427 after 6 p.m.

PORTABLE TYPEWRITER - Smith-Corona elec, w/pwr return, new cond. Sal, 281-2682 after 6 p.m.

FISH TANK - 10 gal, stand, hood & pump. \$25. Saxon, Ext. 3435.

4 PINE BOOKCASES - 36"x36"x91/2", good cond, \$10 ea. Nagle, Ext. 2262.

MINI BIKE - 1973 Gemini, 80 cc, 4-spd, excel cond. Rhodus, Ext. 3284, 924-3522.

PIANO - Sm upright, needs tuning. \$150. Ext. 2409,

USED WASHER & DRYER - Westinghouse, good cond. \$20 ea. G. Kinne, Ext. 3334.

DIN RM SET - Contemp walnut table, 4 chairs, china closet & buffet, excel cond. \$175. R. Skelton, Ext. 3463/2006, 473-4558.

ELEC ADDING MACHINE - \$10; amp, \$12; cassette tape recorder, \$6. Lynn, 281-5709.

B/W TV'S - Table model & console, good working cond, \$20 ea. Lynn, 281-5709.

ITAL PROV - Liv rm set, sofa, 2 chairs, 2 end tables, cocktail table, plastic covers, excel cond. \$300. B. Sanchez, Ext. 3354, 732-5197.

BRITANNICA JR ENCYCLOPEDIA - New, \$100; sewing mach, straight & zigzag, \$35; 2 walkie-talkies, 3w Realistic, unused, \$95/pr (about ½ orig price). Ext. 4896.

DBL SINK & COUNTER TOP - 72". \$20. D. DeGuiseppe, Ext. 4581, 281-8044 after 5 p.m.

FISHER FM-STEREO RCVR - W/BSR turntable, excel cond; Kenwood AM/FM 4-chan rcvr, brand new. Ext. 2053.

GIRL'S BIKE - 24" wheels, 3-spd. hand brakes. \$30. Ext. 4885.

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

EAST PATCHOGUE - 6 rm cust brick house on 1/2 a, beautifully landscaped. Features 2-zone ht, 2 f/p, fin cellar, oil ht, like new, many extras. \$42,500. AT6-8472 after 4 p.m.

MEDFORD - 3 bedrm ranch, 2 yrs old, big rms, 1/3 a, many valuable improvements. \$35,000. 475-7690.

SELDEN - 4 bedrm splanch, 1/2 a landscaped w/extras. Paneled fam rm w/fp, 2-car garage. Near SCCC. \$42,900. 732-5198.

SHOREHAM - 2 story, 4 bedrm, 2½ baths, Ig cntry kit, fp, fam rm, full bsmt, 2-car gar, %0 a, 5 yrs old. 71/2% assumable mortgage, \$59,000. 744-9455. CENTEREACH - Bldg plot, 105'x125', nr stores. Street

water & gas. \$7,000. Frank Rumph, JU8-3565, Ext.

BROOKHAVEN - 3 bedrms & guest rm in 2-car gar bldg. 11/2 baths, on 6 a. Fp's in liv rm & fam rm. Carpet, drapes, curtains & all appl incl. 286-0634.

CENTER MORICHES - 3 bdrm cape, 2 baths, din rm, lg fam rm w/fp, dbl gar, fenced & landscaped ½ a plot. Low taxes. \$37,000. 878-2864, Ext. 4278.

PATCHOGUE VIL - Legal 2-fam, 41/2 up, w/w, 41/2 down, easily conv to 1-fam, excel cond. 289-3427.

For Rent

SHOREHAM - Compl. pvt house, 1a, 4 bdrm, 2-car gar, bsmt, pvt beach. 6 mi from Lab. 744-8246, Ext.

SHOREHAM - 3 bdrm ranch. Avail Oct. 1, 744-5553. SHIRLEY - Furn house, ideal for 2 or 3, 9-10 mo rental, 3 bdrm, sunken liv, carpet, full din rm, kit bsmt. 22 Manor Dr, Shirley. 281-0764.

DONATIONS - Of cat & dog food for local non-prof animal shelter. Trudi, Ext. 3058.

LEAD GUITAR - To play & sing for a rock band. Ray, 878-2486.

HOMES - 5 kittens, 6 wks old. 4 white males, 1 black female. 567-4403.

MUSTANG - Hard top, '67 to '69. Clean, low mi. GR5-5968.

DRIVER - To share exp to San Francisco. Leaving Aug 24. Bill Lawson, Ext. 4207. ECONOLINE VAN - Preferably '71 or newer. About

\$1500. Bill Lawson, Ext. 4207. GARAGE - Bsmt, etc for storage of furn. while look-

ing for apt. Willing to pay. Richard Bird, Ext. 3477.

HOME - For spayed dog approx 2 yrs old. Extremely lovable. Has had shots. Before Sept 1. Louise, Ext. 3325, 289-7391.

RIDE - To Wash, D.C. Aug 17-18. Share expenses. Beverly Gwathney, Ext 2238, 589-8533.

1 BLACK GOLDFISH - For adoption, pond bred tank kept. Has dbl tail & bulgy eyes. "Sooty" is lonely. Irene, 589-6468, after 5 p.m.

RIDING MOWER - In pretty good cond, reas. Sal, 878-2486.

OLD STORM WINDOWS - For constructing a greenhouse & cold frames. Osgood, Ext. 3978, 286-2581.

HAND-ME-DOWN-CLOTHING - For boy, size 8 or larger. Dorothy, 286-2561.

PICNIC TABLE - Reasonably priced. 363-8914.

HOME - For 9 wk old kitten. Bob, Ext 4551, 289-2159.

PWR SAW - 8-10" radial or table saw; mitre box to make very accurate 45° cuts; Stanley corner vise. John, Ext. 4143, 286-1348.

Carpools

START CARPOOL - Or ride wanted from Coram between Rt 112 & Coram-Mt Sinai Rd. Rosemary Cohen, Ext. 3488, 473-8717,

RIDE NEEDED - From Lab to Middle Island (near White's) ea day after work. Jean, Ext. 2345.

HOUSE/APT SITTING - Going away? Be comfortable in the knowledge your dwelling & belongings are being well looked after. No charge. Bob, Ext. 3747

PICKUP - Truck/driver with muscles for hire eves, wkends, any size job, any distance, by mile or by hour. 589-3269 after 5 p.m.

TYPING - Done at home. Reports, papers, tables. Reas rates. Marie, Ext. 4207, 924-3756 after 5:30 p.m.

PLUMBING REPAIRS - Alterations & new work. Licensed & insured. Walter, 732-1913 after 5:30 p.m. FISHERMEN - Do you want your catch deliciously smoked? 744-9411 after 5:30.

DOG OBEDIENCE CLASSES - All breeds, all ages over 5 mos, 10 wk course begins 9/13 at 7 p.m. expert instruction, reasonable cost. 727-1218 days. ELEC MOTORS REPAIRED - Swimming pool motor re-

pair & rebuilds, pwr tools, etc. Ray, 231-7158 after 6. TYPING - Term papers, manuscripts, etc. Claire, Ext. 2346, 281-8306 after 5:30 p.m.

YARD SALE - Aug 17-18, 10-4, 4 Joline Rd, Pt Jeff Station.

EXPERT TREE SERVICE - Spraying, removals, cleanups, pruning, fencing, free est. Jim, 475-1598 after 6. OAK CORD WOOD - Seasoned, split & delivered,

\$70/cord; tree removal, topping, chain saw work.

CERAMIC TILE/CEMENT/TERRAZZO - Professional work at reasonable prices, call for estimates. John, 4143, 286-1348, 281-8848.

Classified Ad Policy

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

727-1329.

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

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

held for publication in the next issue. 6. Ads are run only once and must be resubmitted if they 7. Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employees

Wanted For Sale: Auto & Auto Supplies Carpools For Sale: Boats & Marine Supplies For Sale: Miscellaneous Lost & Found

Check x the heading applying to your ad Print or type your ad in 20 words or less.

5. Ads not carried because of space restrictions will be

Adsiconcerning 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.

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.. Life No.

(Name & Phone No. To Call)

Send to: Brookhaven Bulletin, Building 460, 40 Brookhaven Avenue (Ext. 2345).

Employee's Signature