



Two Medical Centers Cooperate On Kidney Research



Kidney transplant patients will be brought from Nassau County Medical Center to Brookhaven's Medical Research Center for ECIB treatments.

Dr. Eugene Cronkite (left) will supervise the ECIB. Dr. Donald Orofino (right), from NCMC, is acting as a liaison between the two centers.

ECIB and Dialysis In Kidney Research

- Jean Burke -

"It was great to see the enthusiasm here," commented Dr. Donald Orofino when talking about the first use of the hemodialysis machine at Brookhaven in May 1972. "There wasn't a nurse or a doctor who wasn't willing to lend a hand" in the preparation of the facility for use.

Dr. Orofino, from the renal division of Nassau County Medical Center, is doing research on kidney disease in the Medical Research Center at BNL.

Renal patients undergo extracorporeal renal dialysis which cleanses the blood of wastes, normal y done by a properly functioning kidney. Since this function is lost in

diseased kidneys, an artificial cleansing system must be used. If the patient desires a kidney transplant and his needs are sufficient, then he will continue dialysis until a matched kidney is found.

Most transplant kidneys are from donors who have willed their kidneys to science after death, or in some cases from living relatives. After death a kidney can be preserved for several hours until a recipient is found.

Unfortunately, like any foreign matter introduced into the body, the new kidney no matter how closely matched, may be subject to attack by the body's highly efficient immune system. In an attempt to

ward off the body's defenses and prevent rejection of the new kidney the patient is given immunosuppressive drugs.

Extracorporeal irradiation of blood (ECIB) before and after transplantation hopefully will further suppress the body's immune system. The technique was originally developed at Brookhaven by Dr. Eugene Cronkite and associates, for the study of normal and leukemic cell production and regulation. He found that red cells are highly resistant to radiation while lymphocytes (a division of the white cells) are highly sensitive to radiation.

Lymphocytes, associated with the body's immunological processes, are capable of identifying foreign material and proliferating a clone directed against this foreign material, seeking it out and destroying it. In the case of a kidney transplant the foreign object would be the new kidney.

Dr. Cronkite discovered some lymphocytes are killed by as little as 10 rads of radiation and a few can survive 1000 rads. By irradiating the patient's blood outside his body the population of lymphocytes is depleted.

Until now, kidney transplant patients have received immunosuppressive drugs, but they will now have the additional benefit of the ECIB. Since the facilities will be limited, the needs of the patients will have to be considered before they can be treated with this technique.

Dr. Cronkite hopes they can start using ECIB on kidney transplant patients by January. All the renal patients at Nassau County Medical Center (NCMC) will be candidates. The transplant operation will be done at NCMC but the patients will be brought to Brookhaven for ECIB. The patient will undergo hemodialysis and about 10 ECIB treatments prior to the transplant and as many ECIB treatments after the operation as needed. Each treatment will last approximately two to three hours, depending on the rate of the patient's blood flow.

For the past two years Cronkite has been using ECIB on goats with transplanted kidneys. To date the treated goats have survived longer than the untreated ones, but he feels it would require at least a 10 year observation time to see if the technique is really effective on human beings.

The University of Copenhagen in Denmark has been using ECIB on kidney transplant patients, and Cronkite says the results look very encouraging. But again the observation time has not been long enough to have reached any conclusive results.

If the technique does prove effective it will relieve the necessary inconveniences experienced by the renal patient who must undergo hemodialysis.

Hemodialysis requires approximately 18 hours a week from the patient and there is

Bauer To Succeed Dunbar As Chicago Ops Manager

The Atomic Energy Commission has announced the appointment of Assistant Controller Robert H. Bauer to succeed Kenneth A. Dunbar, retired Manager of the AEC's Chicago Operations Office in Argonne, Illinois, effective July 24.

Mr. Dunbar retired on June 30. His current Deputy Manager, Wesley M. Johnson, will serve as Acting Manager until Mr. Bauer assumes his duties.

Mr. Bauer, 44, was born and reared in Chicago, graduated from the University of Illinois in 1950 with a degree in political science and did postgraduate work in public administration at The University of Chicago. He came to the Commission in September of 1955 as a Budget Examiner. In 1957, he transferred to the Division of Reactor Development where he served in various capacities involving management and evaluation of research and development programs. Then in 1961, he moved to the Division of Research as Budget Officer and later as Chief of its Budget Branch. In July 1966, he was named Deputy Assistant Controller for Budgets, a position he held until March 1971 when he was appointed Assistant Controller for Budgets. In recognition of his meritorious service, he was presented a High Quality Performance Award in October 1970.



Mr. Bauer is married to the former Colene Rae Woodmency. They have two children, Cathryn Ruth, 15, and Charles Robert, 13.

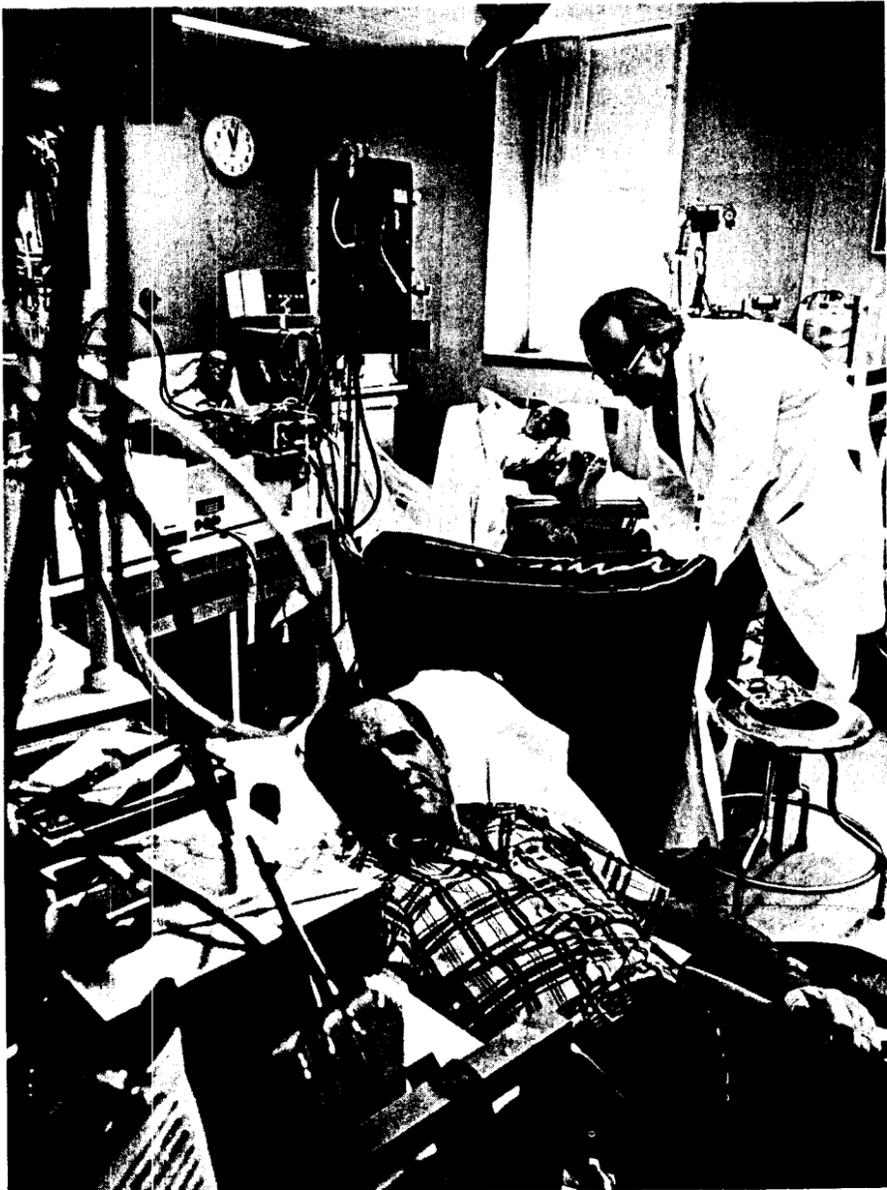
Mr. Dunbar, 62, is retiring after more than 30 years of Federal service. A 1932 engineering graduate of Purdue University, he was commissioned in the U.S. Army Corps of Engineers in 1941 and was assigned to the Manhattan Project which gave birth to the Nuclear Age. He has been Manager of the Chicago Operations Office since 1957 and in 1971 received the AEC's Distinguished Service Award for "distinguished contributions to the direction and administration of highly complex Atomic Energy Commission research and construction programs."

a certain amount of hazard involved since patients can develop weak, fragile bones. All the causes of this are not known but research into them is being done. One of the greatest problems with dialysis is the lack of facilities to take care of all the people who need it.

According to Dr. Orofino, the number of people on Long Island who need dialysis far exceeds the present capability of NCMC. They hope to set up a satellite facility in Suffolk County to provide more facilities.

Dr. Joseph Letteri, Chief of Nephrology, is organizing the set up of transplant facilities at NCMC. Working with him is Dr. Joel Sherlock, Assistant Chief of Nephrology. Dr. Orofino is presently acting as a liaison between Brookhaven and NCMC, while the program is getting underway.

Orofino hopes Brookhaven will continue to act as a center for research on developing new and better treatment for kidney failure. Nassau County Medical Center will send selected patients to Brookhaven for further study and research.



Dr. Orofino chats with renal patients undergoing dialysis at Nassau County Medical Center. They will continue dialysis until a suitably matched kidney is found for transplantation.

Spray Irrigation Project



Pete Bilski (foreground) cleans earth auger used for installing monitoring wells for checking ground water after spray irrigation. Charles Johnson and Jim Walseman (rear) helped in the placing of the wells that will be checked regularly to determine the effects of the project on the ground water supply and quality.



Jack Hennessey, project director, PEP, checks clay content of well borings with Hydrogeologist Marilyn Ginsberg of the Suffolk County Department of Environmental Control.



Bill Rembt, PEP (in truck) and Bob Gaffga, Biology, removed rocks and debris from a field that will be plowed and planted with Herdgrass as part of the spray irrigation project.

Cafeteria Menu

Week Ending July 27, 1972

Friday, July 21	
Mason's Fish Chowder	
Fried Fillet of Sole w/Tartar Sauce	
French Fries	.95
Chopped Beef Steak Parmigiana & 1 Veg.	.85
Shrimp Chow Mein w/Rice	.90
Monday, July 24	
Chicken Gumbo Soup	
Barbequed Spare Ribs	.95
San Francisco Stew w/1 Veg.	.90
Sliced Turkey Over Rice w/Giblet Gravy	.85
Tuesday, July 25	
Braised Meat w/1 Veg.	.85
Veal & Peppers Italian Style - Rice	.99
Roast Chicken, Cranberry Sauce	.85
Wednesday, July 26	
Lentil Soup	
Braised Swiss Steak, Onion Gravy & 1 Veg.	.95
Fried Haddock w/Tartar Sauce & 1 Veg.	.90
Cheese Omelet w/Bacon & French Fries	.80
Thursday, July 27	
Garden Vegetable Soup	
Pot Roast of Beef & 1 Veg.	.85
Baked Lasagna w/Tossed Salad	.90
Chicken a la King w/Toast Points	.90

Selected Reading

Bull. At. Sci. 28, April 1972	Another view of Akademgorodok. L.G. Leighton. 37-42
Bull. At. Sci. 28, May 1972	Energy and environment. H. Alfvén. 5-7
	Power policy - plan or panic? R. Wilson. 29-30
Bull. At. Sci. 28, June 1972	An American renaissance? A scientist's view of what America can be. H. Brown. 7-12
	On the control of science: A critique. P. Sporn. 13-18; Daniel C. Drucker replies. 18-19; Myron Tribus replies. 19
	Scientist vs. citizen: The Shoreham controversy: The role of the Lloyd Harbor Study Group in the Shoreham hearings. An assessment. V.L. Sailor. 25-31
	The Lloyd Harbor Study Group intervention. A response. A. Carl. 31-6
Chem. Ind. (London) No. 10, May 20, 1972	Homo sapiens. The species the conservationist forgot. D.G. Hessayon. 407-11
New Scientist 55, July 6, 1972	Are scientists different? G. Gale. 10-12
Science 177, July 7, 1972	Social institutions and nuclear energy. A.M. Weinberg. 27-34
	An Olympiad of science. H. Goldsmith. 35

Reports Available

The following reports are now available to the Laboratory staff and to affiliates of the AEC, AUI, and BNL. Others may purchase them from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, Virginia 22151. Staff members should call Ext. 3484.

BNL 50316	\$3.00
Dose Distribution, Dose Uniformity, and Minimum Dose Data for Square Cesium-134 Source Plaques.	
L. Galanter	
BNL 50317	\$3.00
Tabulated Dose Uniformity Ratio and Minimum Dose Data - Rectangular Cobalt-60 Source Plaques.	
L. Galanter	
BNL 50318	\$3.00
Tabulated Dose Distribution Data - Rectangular Cobalt-60 Plaques.	
L. Galanter	
BNL 50319	\$3.00
Tabulated Dose Uniformity Ratio and Minimum Dose Data Rectangular Cesium-137 Source Plaques.	
L. Galanter	
BNL 50320	\$3.00
Tabulated Dose Distribution Data - Rectangular Cesium-137 Source Plaques.	
L. Galanter	
BNL 50329	\$3.00
A Statistical Basis for International Inspection Activities. Allocation of Effort and Drawing of Technical Conclusions.	
W. Marcuse and L.G. Epel	
BNL 50330	\$3.00
Integrated Safeguards Experiment at a Plutonium Fuels Laboratory.	
S.C. Suda and W. Marcuse	

Folk Dancing

The lively music of the Polish Krakowiak, the Swedish Hambo, Yugoslavian Kolas, and scores of other dances is again being heard at the Recreation Hall Wednesday evenings during the summer program of the BNL Folk Dance Group. Laboratory employees and their guests are invited to join in the group's sessions of teaching and dancing every Wednesday night from 8:00 to 10:00 p.m. Folk dancers with all levels of experience, from new beginners to experts, are welcome. The only essential requirement is a certain amount of enthusiasm.

Telephone Numbers For Emergency Use

Laboratory employees should note that the recent change-over to Centrex also involved a change in emergency telephone numbers provided to summon medical, police, and fire assistance.

The Medical Emergency number is now	2222
The Fire Emergency number is now	3333
The Police Emergency number is now	4444

Emergency telephone numbers should, of course, be used only to report real emergencies.

For routine, non-emergency telephone communication, the appropriate numbers to use are:

Medical: During working hours	3670
During non-working hours	3676
Fire:	2350
Police:	2238

Incidentally, each Laboratory telephone should have a sticker listing the three emergency telephone numbers. If your telephone doesn't have one, call Al Laurine, Ext. 2000, and he will send you one. Emergency telephone numbers are also listed on the front of the current Laboratory Telephone Directory.

World of BNL

This week the World of BNL will explore the whole body counter and the many diseases for which it is being used in the Medical Research Center.

The World of BNL is now broadcast Sundays over four stations instead of two. The times and stations are as follows: at 8:15 a.m. over WBLI-FM (106.1), Patchogue; WRCM-FM (103.9), Riverhead; WHRF-AM (1570), Riverhead; and at 11:15 p.m. over WGLI-AM (1290), Babylon.

Letters To The Editor

Dear Dr. Vineyard:

On behalf of the Greater New York Blood Program, I would like to express our gratitude for the most successful bloodmobile visit on June 29 and June 30.

The very substantial amounts of blood (699 productive donations) collected created one of the rare years when we came through a 4th of July holiday without being so short of blood as to declare a crisis.

Second in importance were the comments from our entire staff as to the friendliness and warmth they experienced in the 2 day visit. In their day to day travels, it seems that this was the first time many of them had been asked questions as to procedures and engaged in general conversation which they so enjoyed.

Your chairman for the blood program Mr. Alf Christoffersen was the one most responsible for the smooth and efficient manner in which all details were handled. His professionalism was obviously reflected in the success of the visit.

Again, I must thank Mr. Vincent O'Leary for his being able to envision the program as one that has been of great value to the laboratory family and the community in which it resides.

The use of your medical facilities through the kindness of Dr. Aronson to fractionate whole blood into components was a "first" for the Greater New York Blood Program away from their home facilities. The invaluable cryoprecipitate for a bleeding hemophiliac and the frozen plasma that rested in your freezers will continue to serve mankind after all the excitement dwindles.

For all of us from the bloodmobile, drivers, nurses, doctors, laboratory technicians and Red Cross volunteers from across Suffolk County who had the opportunity of operating the visits at Brookhaven National Laboratory, it is us that thank you for the privilege.

(Mrs.) Marcia Gart
Suffolk County Representative
The Greater N.Y. Blood Program

Arrivals & Departures

Arrivals

Elizabeth E. Brown	Biology
Miguel Correa	P.E.P.
Yang H. Oh	Medical
Krsto Prelec	Accelerator
Alan R. Sweedler	Applied Science
Joseph J. Wennberg	Accelerator

Departures

Cheryl L. Archer	Systems & ADP
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IBEW Meets July 27

Local 2230 IBEW will hold its regular monthly meeting on Thursday, July 27 in the K of C Hall, Railroad Avenue, Patchogue, at 8 p.m. There will also be an afternoon meeting for shift workers at 2 p.m. in the Union Office at 31 Oak Street, Patchogue.

On the agenda will be regular business, committee reports and the President's report.

Join The Judo Club!

The Judo Club is now actively recruiting new members. The club is open to everyone - male or female - and we have excellent instructors for those who have not tried this exciting sport before. We also have the authority to award belt ranks. We meet every Tuesday in the gym from 5:00 to 7:00 p.m. If you would like more information, please contact Bob at X-4672 or George at X-4340.

Saturdays Success So Far

As you know, Saturday's have been included in our Swimming Pool schedule on a trial basis. So far you have shown your interest and support by your attendance. Up to this point the figures are encouraging. The admissions are defraying expenses. Keep up the good work. See you Saturday at the Pool.



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Youth On Campus



A class in telephone usage is taught by Shirley Froberg of the New York Telephone Company as part of the regular curriculum of the Youth On Campus program.



Richard Linbrunner works in the Biology fields caring for plants that are used in growth experiments.



Gloria Langhorn helps Connie Swezy prepare film badges for x-ray identification procedures.

Youth on Campus

The 1972 Youth on Campus Program at BNL employs 33 young people for a period of 8 weeks running to September 1.

The Y.O.C. participants consist of six 1971-72 High School Coop Students who have returned for the summer, and other candidates from BNL's file of applicants and community contacts.

LeGrand Newman, Janet Whitehead, Ric Villacara, and Evonne Hammond will assist in personal and vocational counseling. At the conclusion of the program, each student will be asked to evaluate the program and give constructive comments.

Evonne Hammond will teach instructional courses in typing, filing, office practices, and the use of office machines for 1½-hour periods twice a week.

This summer's class will include an introduction to typical avenues of work at BNL suitable for high school graduates. This will be accomplished by tours of keypunch, data processing, switchboard, and scanning work areas. Vocational areas to be presented will also include carpentry, wiring, soldering, and automotive and heavy equipment repair machine shop.

Various Long Island employers will participate in the program by sending representatives to BNL to present career opportunities that exist in their respective organizations. The representatives will direct their presentations not toward recruiting but toward giving the students first-hand general information about vocational areas.

Informal on-the-job training through each participant's work assignment will be the main objective. To cooperate with supervisors in this important aspect, visits with work supervisors and at least two supervisory seminars will be scheduled to provide an opportunity for feedback.

W.C. Fields . . . All The Way

Three of the funniest and best remembered short films featuring the late W.C. Fields will be shown tomorrow night at Berkner Hall as part of the BERA Summer Film Festival.

All made in 1933, when Fields was at his best, the sight gags and wise cracks delivered by the star are timeless. Fields has had many imitators, but not one has even come close to duplicating his style of delivery.

When someone once asked Fields how he liked children, his reply was "Fried!" Such was the wit of one of America's greatest comedians. The three films presented represent some of the best of Fields' comedies.

"The Barber Shop" and "The Pharmacist" are classics, but "The Fatal Glass of Beer" is an all-time-great! All were produced by Mack Sennett, who seems to have invented slapstick.

Show Time at Berkner Hall is 8:30 p.m. on Friday evening. Adults are \$1.00 and those under 18 are admitted at half price.

Safety Shoes:

According to the Safety Services Office, there will be no issue of safety shoes during the weeks of July 24th and July 31st due to the shoe fitter's vacation.

Pool Days

As the summer days grow warmer and warmer, more and more people are flocking to the BNL Swimming Pool. Parents are reminded that when they leave their children at the pool, they should instruct them on the proper way to conduct themselves.

It would also be very helpful if children were given the correct change to be used in the soda and candy machines. The Lifeguard's main responsibility is to provide for the safety of those in the pool and it is not a good policy to have him leaving the pool area in order to make change. We appreciate your help in these matters and know we can count on your full cooperation.

Reminder!

The BNL Pool is now open on Saturdays from 12:00 noon until 5:00 p.m. so come and enjoy yourselves on those real hot days.

Bookmobile Schedule

Fridays - 1:30 - 2:15 p.m. at Technology and Brookhaven Avenues.

Dates	
July	14 - 28
August	11 - 25
September	8 - 22
October	6 - 20
November	3 - 17
December	1 - 15 - 29

Stony Brook Events

A baroque concert, the premiere performance of a play, and several films are featured events in the summer activities program at the State University of New York at Stony Brook.

Friday, July 21

An exhibition of paintings by Stony Brook student Regina Granit continues all week in the Stony Brook Union Gallery, 10 a.m. to 5 p.m.

A stylized satire on status-seeking, "Pusher," and a suspense-filled allegorical chase, "Run," will be shown in the Stony Brook Union Auditorium from 12:15 until 2 p.m.

The Weekend Cinema presents, on Friday and Saturday, "The Fly," a science fiction movie, in the Stony Brook Union Auditorium at 8 p.m. An experiment in transmitting matter brings a scientist to an unexpected fate in this thriller. Admission is \$1.50.

Monday, July 24

From 10 a.m. until noon all week, the Stony Brook Union Craft Shop will conduct a lesson for children 4 to 7 years old. There is a \$1.50 charge per child.

W.C. Fields plays a much abused drug store proprietor in "The Pharmacist," a short film that will be shown in the Stony Brook Union Auditorium from 12:15 until 2 p.m.

The Baroque Quintet will present a concert of chamber music at 9 p.m. in the Stony Brook Union Auditorium. Admission is \$1.50.

Tuesday, July 25

Charlie Chaplin plays an alcoholic who brings a bottle with him to a health clinic in "The Cure," which will be shown from 12:15 until 2 p.m. in the Stony Brook Union Auditorium.

Wednesday, July 26

Music's powerful ability to set a mood is dramatized in two short films, "Night on Bald Mountain" and "The Fugue." Animation interprets Moussorgsky's theme in the first film, while the second contrasts the mood of an organ concert with restlessness in the streets. Both films will be shown in the Stony Brook Union Auditorium from 12:15 until 2 p.m.

A "how to" adult workshop in paper marbelizing and decorating will be held in the Stony Brook Union Craft Shop from 2:30 to 4:30 p.m. Admission is \$.50.

The Slavic Cultural Center presents the premiere performance of "The Funny Old Man," a play translated and directed by Stony Brook Professor Edward Czerwinski. Performed by the Poor Theatre Company, the play will be presented at 8:30 p.m. in the Stony Brook Union Auditorium on Wednesday and Thursday; admission is \$3.

Thursday, July 27

"Rhinceros," an animated visual translation of Ionesco's play, and "Boogie Doodle," a rhythmic, brightly colored animated film, will be shown in the Stony Brook Union Auditorium from 12:15 until 2 p.m.

Tennis News

The 1972 BERA Tennis Tournament is now underway. By last Friday's deadline there were enough entries to permit competition in all four events: Men's Singles, Men's Doubles, Ladies' Singles, and Mixed Doubles.

The tournament draw was completed and posted in the Gymnasium by noon on Monday. Within a few minutes of the posting, the initial match of the tournament started. This match, in Men's Doubles, saw Epel and Beller edge past Suenaga and Crow in straight sets, 7-5 and 7-5.

All contestants are urged to schedule their matches as soon as possible since the tennis committee has set a July 28th deadline for completion of first-round competition. Each contestant may consult the posted listings in the Gymnasium and on the bulletin board at the tennis courts to determine his position in the draw.

All contestants are reminded that it is the victor's responsibility to report the outcome at a match. When match results are reported, please record the name of the winning entry, the losing entry, the scores, and the event on a memo slip and deposit the memo slip in the envelope for tennis results located at the west end of the Gymnasium, near the Film Service Office.

Thursday Dancing

The Recreation Building is open every Thursday throughout the Summer for your dancing enjoyment. We have music tapes of all descriptions for you to dance to. The fun starts at 8:30 p.m. and it's admission free.

Bring your friends or come alone, but come. There's beer and soda on hand in the vending machines - so bring your quarters. Dress comfortably.

Softball News

Jim Petro

Brookhaven League

Old Timers 11 - S&M 8
Blue Jays 1 - Dirty Sox 0 (Forfeit)
Metallurgy 25 - Old Timers 4
Dirty Sox 7 - S&M 5

In their first game of the 2nd half the Old Timers (1-0) defeated S&M (1-5) who were finishing their 1st half play. H. Frei led the Old Timers with 3 for 3 while S&M looked good despite having to play with 8 men. In the other game of the night the Blue Jays (1-0) were unable to field a team. The following week the Old Timers (1-1) ran into a red hot Metallurgy (1-0) team and were overpowered. The Metallurgists had over 20 hits with home runs being stroked by T. Holmquist, B. Jones, R. Tache, Jack Crow and Lou Snead. G. McGovern had a HR for the O T's. The Dirty Sox (1-0) had to go 8 innings to defeat S&M (0-1) in a well played game. Fred Hillerud led the Dirty Sox with 5 for 5 including a Home Run.

National League

AMD 18 - Kumquats 7
Bio Meds 11 - Circuits 10

First place championship still undecided in this league as the July 5th games were rained out. Circuits are trailing AMD by ½ game in the first half and must win to tie as AMD has completed its first half play. AMD (1-0) started out strong in the second half by downing the Kumquats (0-1). AMD scored 5 runs in the 2nd and 7 runs in the 3rd innings to break open the ball game. Ed Taylor, Bob Barone, Roy Evans, and "slugging" Mike Losquadro homered for AMD. While Howie Bell and Frank Martin hit HR's for the Kumquats. Bio Meds (1-0) won their third game in a row after a slow start with a 7th inning rally over the Circuits (0-1). Down by 2 runs in the seventh the Meds scored three runs to pull out the win. Jim Price had the game winning hit with the bases loaded.

Laboratory League

Six Pax 48 - Charlie Browns 5
EAO 25 - Converts 5

Second half play began as the Six Pax (1-0) completely destroyed the Charlie Browns (0-1). The Pax had 44 hits in a game declared official after 5 innings. 20 runs were scored in the 1st inning to start the rout. Home runs by A. Dick(1), J. Baer (1), V. Lo Destro (1), W. Piel (2). G. Levine had 7 for 8. EAO (1-0) defeated the Converts (0-1) with good hitting and strong defense. HR's hit by G. Speidell (2), K. Wokosky, and R. Pinnix. Paul Valli was 4 for 5 on the night. First half still undecided as rain washed out double headers on July 13th that would have completed 1st half play. EAO trails the Six Pax by ½ game with both teams having one game left to play.

University League

Oh Kays 18 - Gotcha's 5
Odd Couples 17 - Saints 6

Second half in this league started out with a slosh as the rains came. The following week the first half champion Oh Kays (1-0) defeated the Gotchas (0-1). Ed Taylor and Roy Evans each had 2 home runs for the Oh Kays. Ruby Burwell made a great running catch in the outfield only to find out after she caught it that it was a third strike foul and the batter was out anyway. George Morgan homered for the Gotchas but not much else happened until the Gotchas rallied in the 6th for 3 runs. Odd Couples (1-0) started out the second half with a win over the Saints (0-1). Home runs were hit by P. Valli and D. Fridae. Joyce Vail made her pitching debut a winning one.

Volleyball

In our last exciting episode we left our heroes the Spikers and the Cool Tools at each other's throats, trying to determine the championship of the BNL League.

Since the resolution of that problem however, we were able to form an All-Laboratory Team in order to participate in tournaments with outside teams.

The first such encounter will be against SAVA, New York and it is scheduled for Sunday, July 23, 1972 at 10:30 a.m. in the Gymnasium. Spectators are welcome.

Gymnasium Schedule Effective July 5

Monday	5:00 - 7:00 p.m.	Basketball
	7:00 - 9 p.m.	General Activities
Tuesday	5:00 - 7:00 p.m.	Judo Club
	5:00 - 9:30 p.m.	General Activities
Wednesday	5:00 - 9:30 p.m.	General Activities
Thursday	5:00 - 9:30 p.m.	General Activities
Friday	5:00 - 7:30 p.m.	General Activities
	7:30 - 9:30 p.m.	Tennis (By posted Self-Service Reservation)
Gymnasium Weekend		
	9 a.m. - 12 noon	Tennis (Sign up at Police Headquarters)
	12 noon - 9 p.m.	General Activities (Key at Police Headquarters)

Classified Advertisements

Employment Notices

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. For further information, please contact Employment Supervisor, Ext. 2879 or 2882.

SECRETARY - Several years' secretarial experience desirable. Applied Mathematics Department.
ELECTRICIAN B - Plant Engineering & Planning. Application deadline: August 1, 1972.

Autos & Auto Supplies

63 CHEVY 2 - 6 cyl., manual, exc. cond., \$300 AT 6-0051.
59 VW - 140,000 miles, still going strong, good transp. \$150. Sives, AT 6-0609.
1964 IMPALA WAGON - Hot! New tires, good running cond. \$350. 289-8386 after 5:00.
68 PLYMOUTH VALIANT - Green, 4 dr., 6 cyl., manual, r/h, good cond., \$650. Arnie, Ext. 2449.
68 PONT. GRAN PRIX - Grn./blk. vinyl top, p.s./p.b., air cond, new tires, \$1295. George, Ext. 4212, 727-6676.
UTILITY TRAILER - Sears one-wheel type w/hitch. Excellent cond. Ext. 4640.
70 BONNEVILLE - 4 dr., ps/pb, air cond., exceptionally clean. Sacrifice \$2100. 475-4698.
70 MAVERICK - Gold, 2 dr. Sedan, new tires, snows; automatic trans., pwr brakes, excel. cond. Moving, must sell. \$1200 or best offer. Richard, Ext. 4389, 744-5219.
62 RAMBLER CUSTOM-CLASSIC - 4 dr, r/h, extra tires & rims, good running & body cond, stick shift. \$129. Bob, Ext. 4781, 928-1344.
62 BUICK SKYLARK - V6, Excel running cond, good tires, burns no oil. Price \$175. Ext. 3120.
1965 RAMBLER CLASSIC - Station Wagon, good cond., new auto trans., asking \$350. 473-9354.
71 FIAT - 124 Sport Coupe, dk green, black int, 11,000, 5 spd, excel. \$2800 firm. EM 3-6527.
HUBCAPS - 14" for 1965 Mustang, \$2 ea in sets of 2 or 4. E. Rogers, Ext. 3083.
52 MG - TD 475-6288.
70 HONDA - CB 350, good cond. \$625. 475-6288.
CHEVY NOMAD WAGON - 1969, stick shift, no trouble, want smaller car. Asking \$1500. Ext. 2260.
68 CAMARO - 6 cyl, 230 c.i., 3 spd, FM/stereo tape, snow tires. Must be seen in Lindenhurst. Asking \$1100. Steve, Ext. 3475.
63 VW BUG - Body good, engine bad, good brakes, front end. \$100. Len, Ext. 4675, after 6:00 p.m. JU4-7258.
1969 DODGE CHARGER - 440 magnum RT, automatic, 2 dr ht, blk vinyl top, silver gray bottom. Bob Brown, Ext. 3644, 722-3406.
14" WHEELS for Chevy and Ford \$5/pr., 12V Gen GM type. \$6. All in good cond. Bob, 4652, 289-0357.

MOTORCYCLE - 1971 Suzuki, 500cc, 2200 miles, excel cond. \$800. 475-4557.
8 TRACK STEREO TAPE DECK - New \$30. W. Lundgren, 4278 or 585-3794.
1 760x15, \$6; 1 885x15 snow on rim, \$6.50; 1 8.20x15, \$6.50 and others. Whitey, Ext. 2907.
1965 VW BODY w/new front fiberglass fenders. \$50; VW rims (wheels) at \$2.50 ea. F. Paffrath, Ext. 4407 or 864-1214 after 6 p.m.
¾ TON FORD PICKUP - 68-302 eng, auto trans, good tires, new muff, brakes, kingpin, water pump, runs well. \$600. Saxon, Ext. 3435.
1969 MERCURY CYCLONE FASTBACK - Fully powered, air cond, etc. Excel cond. Asking \$1900. T. O'Brien, Ext. 3305.
68 KAWASAKI - 175cc street bike, good cond, needs new battery. \$225. Sharon, Ext. 4007.
1962 KARMAN GHIA - Body needs some work, engine good. \$245. Call 475-9364 after 6 p.m.
66 OPEL WAGON - New valves, clutch, exhaust, battery, timing chain. Tires good. 32 mpg, some rocker panel rust. \$250. E.W. Anderson, 289-0742.
68 FORD BRONCO - 4 w/d, 3 spd, body good, needs some work. 281-7763 after 6 p.m.
2 14" RIMS W/TIRES - 5 holes. \$5. O. Booker, Ext. 4719.
71 SUZUKI MOTORCYCLE - T125, low mileage, like new. \$325. Ken, 286-9053.
1968 HONDA MOTORCYCLE - CB-350, excel running cond, sissy bar, saddle bags, \$425. Will consider automobile trade. Conard, Ext. 3577, 941-4127.

Boats & Marine Supplies

29' CRUISING SLOOP BY BRISTOL - Fully sound. 278-4566 for information.
21' SKIFF - Sturdy, sound, good bottom, engine bad. Will sell for \$400 or highest offer. Sabine, Ext. 2873.
CABIN CRUISER - 21', sleeps 2, Nordberg engine, alcohol range, galley sink, all equipped. Ext. 4254.
15' CACCI CRAFT - Walk through windshield, full canvas, completely equipped, 40 hp Evinrude Selectric, very nice. \$1000. Gordon, 4613.
13' SAILSTAR - Fiberglass sloop, aluminum mast, boom, centerboard and rudder. Dacron main and jib. \$350. R. Lindgren, Ext. 4581, 878-2687.
1955 36' CHRIS CRAFT CONSTELLATION - Sleeps 6, twin 210 hp Chry. pressure water, shower & hot water sys, S.S. depth finder, ex cond. Tony, Ext. 2023.
NAVY ANCHOR - 25 lb. \$10. Nancy, Ext. 2497.
35' OCEAN GOING SLOOP - Diesel aux, equipped to go anywhere, get away from it all. Forsyth, Ext. 4676 or 286-9721.
10' SEARS "JON" BOAT - With 4.5 hp sears outboard. New 1971. \$150. R. Posage, Ext. 4278.
1971 SEAFARER 26' FIBREGLASS SLOOP - Main, jib, 9.5 hp o.b., lifelines, completely equipped for cruising. \$7300. 727-0736.
OLD 14' FIREFLY DAY SAILOR - With trailer. \$35. 4328, Robert.
SUNFISH W/TRAILER - 2 sails w/spars, other extras. \$450 firm. Ext. 4020/4019, 472-2372 after 6.
22' RESKY SKIFF - Wood hull, gray engine, inboard, excel cond. I. Steele, Ext. 3415.
14' CLAM BOAT & 40 hp 1968 Evinrude motor. \$400. Charlie, Ext. 3739.
FIBERGLASS BOAT (FABUGLAS) - 14'7" long with 40 hp Evinrude motor. Except for seats, boat & motor in excel cond. Conard, Ext. 3577, 941-4127.

Miscellaneous

2 OCCASIONAL CHAIRS - French provin, one green, one gold. Excel cond. \$50. AT6-8831.
HOOVER "MINI-WASHER" - 6 lb capacity, avocado green, excel cond. \$75. 286-8094.
BABY ITEMS - Crib & mattress, tilting car seat, high chair, stroller, training toilet, safety gate. Ext. 4138, 286-0375.
TENT HEATER - Sears, good cond. \$15. 281-4140.
HI-FI - Am/fm radio console, Magnavox. \$35. 281-8847.
BABY ITEMS - Bilt-rite carriage, like new. \$35. Infant seat. \$2. 281-8847.
RIDING MOWER - Sears Roebuck 25" 7 speed. 588-5833.
BEN HOGAN GOLF CLUBS - Set of 9 irons, new grips, excel cond. A steal at \$50. Charlie, 3739.

CROQUET - Very handsome and durable imported English set, hardly used. \$50. AT6-0824, Garfield.

DRUM SET - Beginners gold sparkle 4-piece outfit. Incl bass, snare, 2 tom-toms, cymbal & cowbell. \$55. Paul, Ext. 4218.

WASHER/DRYER - Air cond, 5-pc bedrm set, uphol rocker, chair, sofa, end/coffee tables, youth bed, chest of drawers, desk, more. 286-0428.

YARD SALE - Furniture, toys, misc. Sat., July 22. 2 Browns Lane, Bellport, from 11 to 5. Ext. 2441.

TV SET - Free for hauling, use parts. 286-3742.

STEREO - Component type, Bogen ampl + am/fm tuner, Garrard changer, 12" coax v/m speakers, good cond. \$70. Moser, 3573.

SOFA - Wood trim, foam sats, dk green, good for den. \$30. Beige leatherette recliner, fair cond. \$10. Girl's bike, 26", \$10. Moser, Ext. 3573.

DON'T WAIT FOR AN EMERGENCY! - Chemically clean your cesspool now! 15 gal for \$25. We put it in. 289-0565.

GE PORTABLE STEREO PHONOGRAPH - Solid state 4 spd auto changer, like new. \$45. JU4-7050 after 6.

YARD AND BOTTLE SALE - Furniture, glassware, many old bottles, misc, items, 7/22 and 7/23, 9 a.m., 82 Kennedy Ave., Blue Point. Ext. 3381.

TRUMPET - Holten, excel cond (with case) used 6 months. \$85 or best offer. Ext. 3843, 286-1290.

TWIN BED - With headboard, \$45; Sears 2-spd fan, \$2, antique white desk, \$15; ladies bicycle, 10. Lesley, Ext. 3412, evenings 475-3821.

3-PC SPANISH HAND CARVED LIVING ROOM SET - Excel cond, \$350; 7-pc bedrm set also excel cond, \$100. LT9-5569.

PANASONIC STEREO CASSETTE TAPE RECORDER - Am-fm digital clock radio and GE steam iron. All about 2 mo old. Owner leaving, Narendra Gupta, Ext. 3414 (bet 9 a.m. - 5 p.m.).

SURF BOARD - Reasonable, good cond. Charlie, Ext. 3739.

PANASONIC TV - 19" b & w, like new. \$55. S.M. Shapiro, Ext. 3822, eves. 929-6527.

MICROMET FEEDER - \$5. C. Schmidt, Ext. 2957, 744-3312.

PISTON PUMP - 1" will handle 10 fish tanks. \$10. C. Schmidt, Ext. 2957, 744-3312.

DEEP WELL ROD PUMP - Spartan Uniflow, ¾ hp motor. \$50. C. Schmidt, Ext. 2957, 744-3312.

WATER FILTER - Cuno, with spare cartridges. \$10. C. Schmidt, Ext. 2957, 744-3312.

GERMAN SHORTHAIK POINTERS - AKC, male, solid liver, 2½ yrs, \$100; female, field started, 1½ yrs, \$75. 653-4618.

HALL TABLE - \$10. Crib, mattress, bureau, \$40; single bed and w chests, \$100. Joann, 744-2821.

9 ADORABLE PUPPIES - 4 males, 5 females, FREE. Pam, Ext. 4046.

VIVITAR 150 STROBE - \$15; husky IV quick set tripod, \$40. G.G. 286-8846.

MINOLTA 35 MM - F2.8 MC Rokkor lens, \$70; Gossen Luma prometer, \$20. G.G. 286-8846.

DINING SET - Plain, classically designed, circassian walnut. Structurally sound and mar free. Large, 2 24" leaves, 6 chairs, buffet, server and china closet. \$450. 473-5585.

21" JACOBSON REEL MOWER - Front throw, complete with fibreglass grass catcher. \$65. 475-9493.

ROYAL TYPEWRITER - Good cond, replaced by elec model. Two 15x7.6 tires with rims, will pass inspec. Mal, AT6-8353.

LADIES 3-SPEED BIKE - 19" B.W. TV, needs work; 5-yr old Kenmore washer; AM/FM stereo console w/ speakers. Bill, Ext. 3817.

ELECTRIC CLOTHES DRYER - Old, but good working cond. Yours for hauling away. Rowley, 286-0975.

SILVER CERTIFICATES - National Geographic Magazines, Kennedy silver half dollars. O. Booker, Ext. 4719.

STORM DOOR - Standard 36" aluminum, w/pneumatic door check, screens. \$10. MacKenzie, 4490.

CUSTOM TAILORING & ALTERATIONS - Men's and Women's clothing. 286-3454 after 7:00 any evening.

WOOD SCREENS - 6 ea 33x47, 1 ea 23x37. \$1.00 ea. John Chester, Ext. 4212.

ANTIQUÉ(?) HICKORY SECRETARIAT - Extensive carving, glass covered bookshelves, fold down desk with pigeonholes, 3 drawers, closed storage space. \$50. Liliane, Ext. 2441, 744-5219.

CATS, CATS, CATS - Urgently need homes, moving soon, 4 to choose from, 2 Burmese Siamese, alley cats, neutered, 1 yr. old. Richard, Ext. 4389, 744-5219.

BABY ITEMS - New (in carton) elec food warmer, \$5; folding baby self-walker, \$4; strap on, back-pack infant carrier, \$3. Bob, Ext. 4781, 928-1344.

GIRLS 20" ROLLFAST BIKE - Blue, w/w tires, high handlebars, high banana seat, 1 yr old, like new. \$30 firm. Call Jim Ryan, Ext. 3353.

DYNANCO STEREO 120 AMPLIFIER & PAT 4 PRE-AMPLIFIER - Excel cond. \$180. Dr. Glass, WA2-5396.

UTILITY TRAILER - Good cond, 475-1721 after 5:30.

10 GAL. FISH TANK - Plus pump, filter, heater, gravel & extras. \$13. 475-0037.

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

E. PATCHOGUE - 2 story colonial, 3 yrs old, 4 bdrms, 2½ baths, 2 car garage, major appliances, 0.4 acres landscaped garden. 286-8455.

PORT JEFFERSON STATION - High ranch, 3 bdrms on beautiful landscaped corner lot 95x100, 1½ baths, att 2 car garage, full playrm, many extras, near schools, shopping etc. Roberts, 384 Broadway. 473-1707 after 5:00.

PORT JEFFERSON VILLAGE - Mint cond, 5 yrs old, 2 story colonial, 4 bdrms, 2½ baths, paneled den w/ fireplace, eat-in kitchen, din rm, liv rm, low taxes, ½ acre wooded plot, priced low \$40's. Ext. 4781, 928-1344.

BELLPORT - ½ acre, 6 rm house, 3 bdrms, 1½ baths, liv rm, kitchen, din rm, finished basement, garage, laundry rm, encl porch, s/s, many extras. \$34,000. Ext. 3153 or GR5-2626.

EAST PATCHOGUE - South Country Shores section. 1½ story Cape, expansion attic, 3 bdrms, full basement, garage, city water, 100x150. 475-4598.

BROOKHAVEN HAMLET - 3 bdrm ranch, formal din rm, eat-in kitchen, att oversized garage, full bsmt, fully fenced rear yard. Asking \$28,500. 286-3874 after 6.

WADING RIVER - Large 4 bdrm home on waterfront with paneled living and family rms, many extras. 929-6132.

E. PATCHOGUE - 2 bdrm house, pine paneled, deluxe kitchen, screened breezeway, 2-car garage, ½ acre, 2 fireplaces, full basement, south of So. Country Rd, quiet wooded area, lg homes. 289-0742.

CENTER MORICHES - ½ acre wooded corner lot, 1 block to beach and boat launching. W. Lundgren, 4278 or 585-3794.

E. ISLIP - Want elbow room, privacy? Spacious 6-rm ranch, attached garage, util rm, screened patio on 0.82 acre, south of Montauk in prime area, fireplace, w/w, many extras. 581-7190 after 6.

MASTIC - Mod 3 bdrm ranch on shaded 100x140 corner lot, compl fenced, full bsmt & garage, quiet neighborhood, near shopping, 8 mi from Lab, priced to sell. 281-4371 for appointment.

For Rent

STRONG'S NECK (SETAUKET) - Waterfront, 2 bdrm house, furn or unfurn, avail Sept. 1 - March 1. \$300/mo. Ext. 3404, 3388.

GREENPORT - Unfurn apt 2 bdrms, liv rm, full bath, kitchen (all lg rms), walk to village & school. \$175/mo + util (Lower apt). Wm. Stars, Ext. 4278, 324-5692 eves.

BLUE POINT - Furn 5 rm house, 2 bdrms, 1½ baths, lg air cond family rm, 1 car att garage, dishwasher, washer, dryer, avail 9/72 for 1 yr only. Ext. 3415, EM3-6063 after 6.

FOR RENT - Summer special in Vermont, \$30/couple for wk, room & bath in new chalet. LT9-0277 after 6.

ROCKY POINT - 7 rm house, 2 bdrms, studio rm, Florida rm, fireplace, garage, pool, good location. 744-2327.

Wanted

HEART, to care for 4 cute 5-week old kittens, 1 white, 1 calico, 2 tan, all with sweet faces. Louis, Ext. 4452.

TEENAGE GIRL - To babysit. East Quogue area. 653-4195.

B-MINUS TENNIS PLAYER wants someone to play with. Preferably living on site. Anand, Ext. 3526.

CHEVY VAN OR FORD ECONOLINE - About 1966-67, no side windows, good cond. Irene, 589-6468.

TO GIVE AWAY - Miscellaneous toys and children's books. 475-6288.

BOY SCOUT BACK PACKING OUTFIT - Rack & knapsack, excld sleeping bag. Sarge, Ext. 4291.

BABYSITTER - Teen age girl will care for your children in your home, preferably in the Three-Village area. Call Ann, 751-1149.

HOMES - for 6 kittens. Alina, 3618 or 281-7547.

TRUMPET CASE - Torre, Ext. 4251.

CHARTER FISHING OUT OF E. HAMPTON - Day or evening, John, Ext. 4666 or 588-0619.

CAR WANTED - reasonable price, only need for summer, prefer small car. Thearl, 286-1344 (after 5), Ext. 3517.

BLACK MANX KITTEN - Under 3 months. 589-3485 or Fran, Ext. 3651.

HOMES - Unknowingly adopted pregnant German Shepherd from Bulletin April 29. Her 10 puppies available for adoption. Father unknown. Leahy, Ext. 4474.

SMALL FREEZER - Used, must be in good cond. 286-3742.

COLEMAN STOVE - Must be in good cond. 286-3742.

COUPLES OR GROUPS TO 6 - Evening cruises w/ licensed captain out of E. Hampton, Dinner res. avail. John, Ext. 4666 or 588-0619.

VOLKSWAGON "BUG" - 1970 or 71, manual shift, no convertibles. Low mileage, excellent condition, low price. Paul, 473-2507.

Carpools

JOIN OR FORM CARPOOL - Pt. Jeff Sta., Woodhull Estates. Bill, Ext. 4440.

PAYING RIDER - Needs ride from Centereach, Mon thru Thurs, Janet, Ext. 3336.

JOIN OR FORM CARPOOL - Bayport/Blue Point area. Jo, Ext. 2977.

Services

OAK FIREPLACE LOGS - Custom cut, split, delivered & stacked. Well seasoned. Call Ken, 289-8212 eves.

TREE REMOVAL & CHAIN SAW WORK - Also light hauling. Free estimates, call Ken, 289-8212 eves.

PLANNING A VACATION BY AIR OR SEA? Call Lee, 472-0658 after 6.

Classified Ad Policy

Deadline is 12 noon Friday for publication the following week.

- The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
- All items for sale or rent must be the advertiser's property.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Firearms offered for sale or trade may not be brought on site.

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

For Sale: Auto & Auto Supplies
 For Sale: Boats & Marine Supplies
 For Sale: Miscellaneous

Wanted
 Carpools
 Lost & Found

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

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

(Name & Phone No. To Call)

Employee's Signature _____ Life No. _____ Ext. _____

Send to: Brookhaven Bulletin, 40 Brookhaven Avenue