



BROOKHAVEN BULLETIN

Published by the Brookhaven National Laboratory Public Relations Office



Volume 26 - Number 24

June 15, 1972

LAMPF Attains Design Energy

The Los Alamos Meson Physics Facility (LAMPF) produced its first beam at full design energy of 800 MeV at 12:08 a.m. on Friday, June 9.

The \$57-million installation is being built by the Atomic Energy Commission to be used as a national facility for both basic research in the physics of the atomic nucleus and practical applications in medicine, isotope production and defense science.

The AEC has announced it will name the facility the Clinton P. Anderson Meson Physics Facility.

LAMPF is a part of the Los Alamos Scientific Laboratory and is the largest basic research project ever undertaken in the area of the United States bounded by the Mississippi River on the east and California on the west. The Laboratory is operated by the University of California for the AEC.

Friday's achievement, one month ahead of schedule, is a high point in a project which was initiated more than a decade ago when scientists at Los Alamos and other centers of research proposed that a "meson facility," an accelerator capable of producing high intensities of pi mesons, be built for investigation of the atomic nucleus. Pi mesons, a short-lived sub-atomic particle, are believed to be the "glue" which holds the nucleus together. Construction of the accelerator at Los Alamos began in early 1968.

With the accomplishment of a full energy beam, LASL scientists can now devote their efforts toward optimizing accelerator performance to reach design intensity level of 1 mA (milliamper). Intensity, or the rate at which atomic particles are delivered to the target end of the accelerator, is a unique feature of LAMPF. Higher intensity allows more precise measurements to be made and opens up whole new areas for research. LAMPF is designed for operation at an intensity thousands of times greater than any accelerator of comparably high energy. The remainder of this year will be devoted to beam refinements and check-out in preparation for use with the accompanying experimental facilities which are expected to be completed in 1973.



Glen Edison (left) of Wisconsin U. works with Gary Smith at the 80-inch Bubble Chamber.



Since bicycles are the major form of transportation for students at BNL, scenes like this one are common. Mark Ragozzino of Lowell Tech. seems to be lending a helping hand to Phyllis Kosen of Boston U.

New Faces Enter The Summer Scene

If a strange face appeared in your department on Monday, don't be alarmed. Monday marked the beginning of the annual Summer Student Program at Brookhaven.

This year 80 students were selected from 387 applicants. Of those selected from 387 applicants, 22 are women. All have arrived but two who will be here by June 26.

The students went through check in procedures at the Exhibit Hall Monday morning. They then reported to their individual departments to start their ten weeks at the lab.

Most of them have just completed their junior or senior years of college. The exceptions are two just starting their sophomore and junior years.

There are 57 different universities all over the U.S. represented by the students.

They have been scattered about in the various departments, depending on their individual interests and training. Here they will work under the supervision of different scientists on certain projects.

There are 9 in the Accelerator Department, 5 in Applied Mathematics, 12 in Applied Science, 15 in Biology, 10 in Chemistry, 3 in Instrumentation, 5 in Health Physics, 7 in the Medical Department, 13 in Physics and one in Administration.

General orientation and safety orientation lectures were scheduled the first week. Besides these, tours of the Lab will be given.

The Summer Student Program is held each summer at Brookhaven. It is financed by the Division of Nuclear Education and Training of the Atomic Energy Commission.

The students receive a stipend of \$100 weekly. Most of them pay \$85 a month to live in the dormitories on site.



The scene is the Exhibit Hall on Monday morning. The 80 students participating in the Summer Student Program at Brookhaven are going through check-in procedures to initiate their 10 weeks at the Laboratory.

Summer Students Arrive!



Dagmar Bastics, a summer student in the Medical Department, writes a letter in her dormitory room.

The AUI Concept After 25 Years Is Lecture Subject

Dr. Gerald F. Tape, President of AUI, will deliver the 112th Brookhaven Lecture on Wednesday, June 21. The title of his lecture is "After Twenty-Five Years - The AUI Concept and Changing National R&D Objectives." He will be introduced by M. Goldhaber.



Gerald F. Tape

Associated Universities, Inc. was organized to establish and operate Brookhaven National Laboratory under contract to the Atomic Energy Commission. The formation of AUI and BNL provided a new approach to the support of research by the Government, especially for large-scale undertakings of interest to the academic science community. In 1956 AUI also established, and has since operated, the National Radio Astronomy Observatory under contract to the National Science Foundation. The policies for and practices of both institutions have been conducive to productive research undertakings, utilizing effectively the country's scientific and engineering talents especially those from the academic community.

The 1950's and early 1960's was a major growth period for research in the United States. From an average annual growth rate for basic research of about 20% from 1960 to 1967, the rate dropped sharply to roughly 1% for the remainder of the decade, and has since increased, in part to initiate new programs, and in part to compensate for inflation. The striking shifts in research support for the various agencies of the Government reflect in considerable measure changing national priorities.

Dr. Tape's lecture will include a brief account of these national trends. He will also describe, in broad terms, possible responses of the scientific community and in particular BNL and AUI to changing national goals.

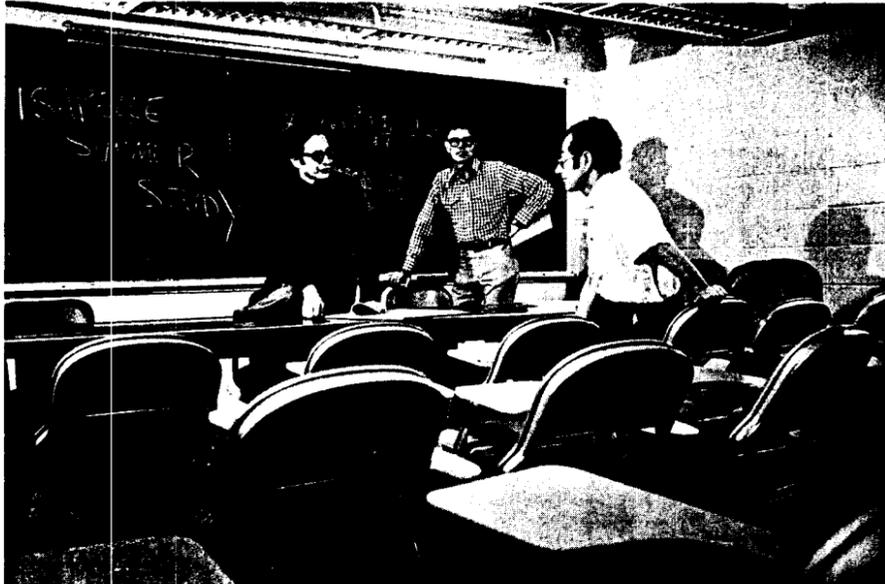
Dr. Tape joined the staff of BNL in 1950, and was appointed Deputy Director in 1951. In 1962 he was appointed Vice President and then President of AUI.

In 1963 he was appointed to the Atomic Energy Commission, and served as Commissioner until 1969 when he resigned to resume presidency of AUI.

He is a member of the President's Science Advisory Committee, and a member of the AEC High Energy Physics Advisory Panel. He is also Chairman of the Defense Science Board. He has been a member of several other Government committees, including Special AEC Consultant and Advisor to the Fourth International Conference on Peaceful Uses of Atomic Energy, also known as "Geneva Four."

The 112th BNL Lecture will begin at 8 p.m. in Berkner Hall on Wednesday, June 21. A buffet super will be served before the lecture starting at 6 p.m. at the Brookhaven Center. Refreshments will be served in the lobby of Berkner Hall immediately following the lecture.

ISA Study



Nick Samois (L), Jack Sandweiss (R) of Yale University, the two chairmen of the guest physicists, discuss with R.R. Rau (center) Associate Director for High Energy Physics, Monday's meeting.



Leon Lederman (L) of Columbia University, a guest physicist and Nanette Stanko (R) of BNL's Theory Group, talk during a break in Monday's session of the ISA Summer Study Program.

Summer Music Program

Do you sing, play a musical instrument, or have an interest in classical or folk music? If so, the Summer Music Program can help you meet other talented visitors, students, and employees with a view to organizing joint activities.

Already planned is an all-Bach concert in August, for which voices and instruments are needed, and a workshop in folk guitar and banjo technique.

Please call Ext. 3400 for details, and do it soon!

Art Opening



A former student of Baskin, now an art teacher at one of the local schools, admires a bronze sculpture on exhibit at Berkner Hall.



"Phaedra," a 28" bronze drew the attention of most of the people who have come to view the Baskin exhibit in Berkner Hall.

ISABELLE Attracts 121 Scientists

A group of 121 people from around the U.S. and other parts of the world will be at Brookhaven over a period of three weeks to attend the Isabelle Summer Study. The reason for the program is to discuss the physics and design of the Intersecting Storage Accelerator (ISA).

The group consists of physicists and specialists in machine design. They will meet in small informal groups to discuss the ISA. About 50 to 75 Brookhaven employees will attend the discussions.

During the first week, which started Monday and ends the 16th, the physics of the ISA will be discussed.

The talks during the second week, June 19-June 23, will deal both with physics and the machine design.

The last week of the summer study, June 26-June 30, will be concerned with the machine design of the ISA.

The participants were invited to attend the Isabelle Summer Study by the scientists at Brookhaven working on the project.

They represent universities and other national laboratories. They receive no financial assistance from Brookhaven so they must be financially self sufficient.

The idea for the ISA was first formulated at Brookhaven in the spring of 1971. A proposal was drawn up for its design and function. A need was found to expose the proposal for criticism to groups outside the lab. Therefore the summer study was organized, primarily by H. Hahn and R.P. Shutt.

What is hoped to result from the Isabelle Summer Study is an improved proposal. Construction of the ISA is projected to begin in late 1974 or early 1975.

Saturday Swimming In Summer Schedule

The swimming pool will begin its Summer Season on Monday, June 19. As a result of your many requests arrangements have been made to add Saturday afternoons to our regular schedule - **On a Trial Basis.**

As you know, the income from admissions helps defray the pool's operating expenses and its schedule is dependent on your support. So if you like the Saturday idea let us know by your presence.

Season passes may be purchased at the Recreation Office (9:00 a.m. - 1:00 p.m.) or at the Pool Office during its open hours beginning June 19, 1972.

The following schedule of rates and times will be in effect for the Summer Season which begins on June 19th and continues through September 2nd.

Schedule	
Weekdays - Monday through Friday	
12:00 noon - 1:30 p.m. Employees Only	
1:30 p.m. - 9:30 p.m.	
Employees/Family/Visitors	
Saturdays - 12:00 noon - 5:00 p.m.	
Employees/Family/Visitors	
Rates	
Season Pass	
Employee or Family Member	\$10.00
Family (Same Household)	\$20.00
Daily Single Admission	
Employee or Family Member	50¢
Visitor	75¢

World Of BNL

As reported last week, the World of BNL will be broadcast over four stations instead of two. The only part of the report that was wrong was the starting date. It will start this Sunday. The subject on all four stations will be 3-D TV in Research, with Dr. Walter Hamilton and Dr. Edgar Meyer of Texas A&M, who is spending the summer here at BNL, as guests.

The times are as follows: At 8:15 a.m. over WBLI-FM (106.1), Patchogue; WRCM-FM (103.9), Riverhead; WHRF-AM (1570), Riverhead. At 11:15 p.m. over WGLI-AM (1290), Babylon.

The Champs Are Coming

J.C. Snead, Chi Chi Rodriguez, and Jim Jamieson, who finished one, two, three in the Philadelphia Golf Classic over the weekend, will be playing for \$35,000 in prize money in the American Cancer Society's Pinter Tournament of Stars on July 3, at Colonie Hill.

A total of fifty touring pros and at least fifteen celebrities will be teaming up with amateurs to provide a day of golf that will be the best to be had on Long Island this year. Get your tickets at the BERA recreation office. Only \$8.00 per person for a full day of the best in golf. And every ticket helps in the fight against cancer.

What's Cooking?



Potato Kugel, as made by Grace Cohen is cooking and about to be sampled by committee members of the Cooking Exchange. Last Thursday 130 members and guests of the Cooking Exchange gathered at the Brookhaven Center for their International Dinner. Over a hundred tasty dishes were prepared for the annual event. Committee members included the group above (left to right) Josette Auerbach, Terri Pittinger, Jane Love, and Jacqueline Newman. Not present for the picture was Amelita Llacer.

BNL French Group To Present Film

The 1965 film "The Sleeping Car Murder" will be shown in Berkner Hall at 8 p.m. on June 26. This was the first feature directed by Costa Gravas, the Greek director of "Z" and "The Confession." Unlike these later films, "The Sleeping Car Murder" is apolitical, a suspense-filled murder mystery with many complicated plot twists and much flashy cinematic style. Featured in the film are Simone Signoret, Yves Montand, Jacques Perrin, and Jean-Louis Trintignant.

The film begins on the Marseilles-Paris Express. A teenage girl arranges for a young runaway, having no ticket, to spend the night in an empty berth of her compartment, in which there are four other occupants. He leaves early the next morning, but forgets his suitcase; when he returns for it, the compartment is empty except for one of the occupants - very dead.

The police laboriously track down the occupants of the compartment. But the detectives reach them only a step ahead of the killer, who eliminates them, one by one. Finally only the young girl and the man she

hid are left. After a screaming and screeching chase through Paris, in which both the police and the killer are after the two survivors, the film ends with a final, surprising plot twist.

The admission charge for the evening, sponsored by the BNL French Group, will be \$1.50.

Theater Group Notice

The annual meeting of the BERA Theater Group will be held on Monday, June 19, at 8:30 p.m. in Berkner Hall (note change of place and time).

The agenda will include:

1. The approval of plays of next year's production.
2. Planning of the summer production of "Summertree".
3. Election of Officers - The Nominating Committee's proposed slate as published in last week's Bulletin remains the same. Nominations will also be accepted from the floor.

The program following the business meeting will be a prepared reading presented by Julie and Ron Peierls, of selections from "A Day in The Death of Joe Egg" by Peter Nichols.

Anyone interested is welcome to attend.

Nuclear Physics Students Visit AGS



Physicist Satoshi Ozaki (white shirt) explains experiment to Nuclear Physics students from the U.S. Merchant Marine Academy. Tom Blair (next to Ozaki) was host to the group during their visit to the experimental floor of the AGS.



Ellington Concert

A roar of applause greeted Duke Ellington as he played "Catch the 'A' Train" and "Satin Doll." Snapping fingers, tapping feet and a general feeling of nostalgia filled the BNL theatre Tuesday night.

The older members of the audience held fond memories of where they were when they first heard these songs. The younger members marvelled at the music of a past generation but so much a part of their own.

Tickets were sold to approximately 800 people directed to their seats by four beautiful usherettes.



Duke Ellington with George Sabine.

At one time during the performance a saxophone player wandered through the audience playing his instrument. Another talented member of the band played a trumpet and sang out "Hello Dolly," in perfect imitation of Louis Armstrong. He even held a napkin and intermittently wiped his face just as the great Satchmo did.

Besides his old greats, Ellington played some of his latest compositions which resulted from a tour of Africa.

An encore and a standing ovation at the end of the performance indicated to Ellington BNL's appreciation.



Usherettes for the evening were (left to right) Marge Stoeckel, Elaine Friedman, Ruby Burwell and Betty Pergan.



Tennis Clinic

What is a tennis clinic?

For the experienced player, it is the place to take a weak backhand, an ailing service, or a crippled overhead for advice and treatment.

For the beginner and the novice, it is the place to learn fundamentals: how to grip the racquet; foot work; the backswing; hitting through the ball; serving; lobbing; volleying.

For the average player, it is the place to learn about topspin, strategy, tactics, and court position.

In summary, the clinic is the place to improve your tennis game whatever your level of play.

Starting Saturday, June 24, BERA and the tennis committee are sponsoring a 5 week tennis clinic to be run on consecutive Saturday Mornings from 10:00 a.m. to 11:00 a.m. at the tennis courts. The clinic, directed by Peter Kortman and Tom Koetzle with the assistance of experienced players, will be limited to BNL employees and their spouses. Sorry - No Children or other family members, please.

Applications for the tennis clinic are being accepted at the Recreation Office in Personnel, 58 Brookhaven Avenue, until Thursday, June 22, at 3:00 p.m. or before if maximum is reached. A registration fee of \$5.00 is required. This fee will cover the cost of tennis balls to be used during the clinic.

Each applicant should provide: name; telephone extension number; a personal estimation of tennis ability; and, of course, the registration fee. Participants in the clinic are expected to wear tennis shoes or sneakers on the courts and to provide their own tennis racquets, although a few extra racquets will be available for the initial session.

The tennis clinic is a great opportunity for tennis players to become better players, so, sign up early!

Folk Dancing

Laboratory employees and their friends who have an interest in Folk Dancing are invited to join in the Summer Program of the BNL Folk Dance Group.

An informal evening of dancing and instruction will be held every Wednesday at the Recreation Hall from 8:00 p.m. to 10:00 p.m., starting Wednesday, June 21st. The group performs a wide variety of folk dances from America, Northern Europe, the Balkans, and the Middle East.

Individuals with all levels of experience, from beginners to experts, are welcome. For details, call W. Kane, extension 3841.

Jet Football Reservations

The Recreation Office door will be open 7:30 a.m. Monday morning, June 19, to take ticket orders for the 1972 Jet season games at Shea Stadium.

BERA has 20 seats for each of the seven home games located in Reserve Section No. 23, which are priced at \$8.00 each.

In an effort to make tickets available to as many interested employees as possible, the following sales procedure will be observed.

1. Tickets are intended for the employee and his immediate family. It is understood that a single employee might wish to purchase a ticket for his or her escort.
2. An employee is entitled to purchase two tickets for one game only. (This restriction may be lifted if warranted by sales).
3. Ticket reservations must be made in person. No telephone orders will be accepted.
4. Payment must be made at the time of order. Check payable to BERA, please.
5. Tickets will not be returnable or acceptable for refunds or exchange at the Recreation Office. Refunds or exchanges should be made at the Ticket Office at Shea Stadium.

Bowling Awards Pictures

So many employees have asked to see the pictures taken at the Bowling Awards Night that arrangements have been made to do so. A display of the photos is at the Film Service Office. You may stop by and order any size or quantity you wish. Call Susie for information, extension 3347.

Softball News

Jim Petro

Brookhaven League

Blue Jays 11 - Dirty Sox 5
Old Timers 16 - S & M 7
Old Timers 11 - Metallurgy 8
S & M 6 - Dirty Sox 2

Blue Jays (2-1) defeated the Dirty Sox (0-3) with a balanced team hitting attack. H. Marshall (3 for 5) and Bob Meier (3 for 4) led the team with everyone in the lineup having at least one hit. Dave McGrath had a triple for the Dirty Sox. Old Timers (4-0) defeated S & M (1-2) on a 21 hit effort. J. Roessler homered for the Old Timers. Old Timers came back strong with defense to counter the strong hitting Metallurgy (1-2) team. Les Lawrence (4 for 4 with a HR) and Mike Zguris (2 triples) led the Old Timer attack. S & M broke into the win column with a win over the Dirty Sox. Pitcher Mike Guacci had the Dirty Sox off balance and solid defense brought about the win.

University League

Gotcha's 7 - Odd Couples 6
Oh Kays 17 - Saints 3

No game played on 31 May due to a problem with officials arriving late and inclement weather the league got back in action on 6 June with the Gotchas (1-2) edging the Odd Couples (2-1). The game was close all the way with Bill Kropp scoring Lorraine Osterer in the bottom of the 7th for the win. The Oh Kay's (2-1) got strong hitting from Roy Evans (4 hits including 2 HR's) and Ed Taylor (2 HR's). The Oh Kay's also got a 2 base hit from right fielder Jackie Larrie. Frank Short had a HR for the Saints (1-2) with Barbara Shutt reported to have made an unexpected out at second base.

National League

Bubble Boys 12 - Bio Meds 6
AMD 14 - Circuits 12
AMD 19 - Kumquats 14
Circuits 22 - Bio Meds 4

At times in a game resembling water polo the Bubble Boys (1-2) defeated the Bio Meds (0-3). Jack Sondericker appeared on the mound for the first time this year to lead the Bubble Boys to their first victory. AMD (4-0) behind by 8 runs at one point in the game pecked away and finally beat the Circuits (2-1). Al Smith had one hit in the game but it was good for two RBI's and the win in the top of the 7th. AMD came back in a high scoring game to defeat the Kumquats (1-2). Ron Yuhus led the slugging (4 for 4) and defense was provided by "fleet" Bob McGonigle with a long run and a spectacular catch in the outfield to save three runs. Ray Atkins and Steve Eiseman each had 2 HR's for the Kumquats. B. Guidone pep talked the Circuits back into the win column as they erupted for 15 runs in the 4th to defeat the Bio Meds. Circuits had 30 hits and HR's by Greenlaw (2), Cullen, Schmidt, and Mead. Lai also had 4 for 5.

Laboratory League

Six Pax 15 - Converts 2
EAO 13 - Charlie Browns 2
Six Pax 16 - EAO 13
Charlie Browns 17 - Converts 14

Six Pax parlayed good defense and a 19 hit attack into a big win over the Converts. HR's by V. LoDestro and E. Hines with D. Klein (4 for 4) led the Six Pax. EAO playing one man short got good pitching from George Speidell and good team defense to beat the Charlie Browns. EAO scored 12 by the 3rd inning and then cooled off until the 7th when they scored their last run, HR by K. Wokosky for EAO. Six Pax (3-1) came back the next week to hand EAO (3-1) its first loss. Evidently everything was quiet until the 7th inning when 17 runs were scored (8 by Six Pax) (9 by EAO) as EAO came up 3 runs short. Charlie Browns (2-2) defeated the Converts (0-4) on a 5 HR effort with Vinnie Bilms (2), George Malcolm, Jesse Becker and Pete McHugh doing the damage.

IBEW Meets June 22

Local 2230 IBEW will hold its regular monthly meeting on Thursday, June 22 at 8 p.m. in the K of C Hall, Railroad Avenue, Patchogue. There will also be an afternoon meeting at 2 p.m. in the Union office at 31 Oak Street, Patchogue for shift workers.

On the agenda will be regular business, a negotiations report and election results.

Arrivals & Departures

Arrivals

D. Gerd Dimmler Instrumentation
Thomas C. Nepsee Physics
Royce E. Pinnix H.P.S.

Departure

Shue Jen Chen Medical

Selected Reading

Contemp. Phys. 13, May 1972
What is bio-engineering? J.M.A. Lenihan. 295-309
New Scientist 54, May 25, 1972
The endless quest. G. Herzberg talks to D. Hamilton. 442-4
Technology autonomous. D. Gabor. 448-9
Science 176, May 26, 1972
The frontiers of physics, or some speculation on the future of science. A.L. Hammond. 898-9
Science 176, June 2, 1972
The nature of the Darwinian revolution. E. Mayr. 981-9
The welfare of science in an era of change. W. Bevan. 990-6

Centrex Quips

Operator: Operator . . .
Ext. User: Operator, I can't get to an outside number.
Operator: What treatment are you on, please?
Ext. User: Treatment??? Treatment???
I'm perfectly fine. I'm not on any treatment!

Published Weekly for the Employees of Brookhaven National Laboratory

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NORBERT J. DERNBACH
Public Relations Officer

Cafeteria Menu

Week Ending June 22, 1972

Friday, June 16	
Fish Chowder	
Fried Filets Sole w/Tartar Sauce & French Fries	.95
Codfish Cakes & Spaghetti	.80
Baked Beef Loaf w/Savory Gravy & 1 Veg.	.85
Monday, June 19	
Cream of Tomato Soup	
Breaded Fork Chops w/Applesauce & 1 Veg.	.95
Beef Ravioli w/Parmesan Cheese & 1 Veg.	.90
Beef Livers w/Smothered Onions & 1 Veg.	.85
Tuesday, June 20	
French Onion Soup	
Frankfurters Rolled in Bacon w/Baked Beans & Cole Slaw	.85
Salisbury Steak w/Brown Gravy & 1 Veg.	.85
Sliced Turkey & Stuffing w/Cranberry Sauce, Giblet Gravy & 1 Veg.	.90
Wednesday, June 21	
Vegetable Soup	
Chinese Pepper Steak on Rice	.90
Braised Chicken Leg & 1 Veg.	.95
Flounder Stuffed w/Crabmeat, Tartar Sauce & 1 Veg.	.90
Thursday, June 22	
Turkey Noodle Soup	
Grilled Monte Cristo Sandwich & Pickled Beets	.85
Veal Patty w/Noodles Oregano	.85
Braised Beef a la Mode & 1 Veg.	.95

64 CHEVY IMPALA - 4 dr sedan, auto trans, ps, new muff, 2 new tires, very good running cond, good 2nd car. Ed, Ext. 4652, 929-4522.

68 PONTIAC LEMANS - V8, auto trans, blk vinyl top, ps, must sell. Best offer over \$1100. 928-1444.

52 MG-TD - 475-6288.

4-6.50X13 TIRES - On Ford rims, almost new. 928-0821.

66 HI PERFORMANCE 327 SHORT BLOCK - 365 hp w/cam & lifters. 722-3588.

TRAILER HITCH - Body type, for Maverick/Comet. \$12. Stan, Ext. 2023.

63 RAMBLER STATION WAGON - Auto trans, reclining seats, very good cond. \$325. R. Drucker, Ext. 3432, 473-1620.

2-14" RIMS W/TIRES - 5 lug. \$7. O. Booker, Ext. 4808.

62 FORD GALAXIE 500 - \$40. Ann, 281-4923.

70 V W BUS - Green, radio, step, 37,000 mi. \$2000. Ext. 3861, 744-5741.

71 PINTO RUNABOUT - Low mileage, air cond, 4 spd. \$1550. Stan, Ext. 3284, 286-1062.

65 V W - New tires, good cond. \$495. Stan, Ext. 3284, 286-1062.

V W RIMS - 5 bolt hole, some w/used tires. \$2.50 ea. Ext. 4058, 286-0436.

TRAILER HITCH - Class I, will fit 66-69 Comet, Fairlane station wagon. \$6. Ed, Ext. 2023, 363-6940.

68 FIREBIRD CONV - 350, ps/pb, auto trans, new brakes & tires, stereo, must sell, best offer. Wally, Ext. 4046, 744-0967.

8.25x14 TIRE - On Chevy rim. \$20. Ext. 2485.

66 FORD CONV - Galaxie, red, V8, good cond. \$600. Rhodes, 363-6427 after 5.

67 FORD RANCH WAGON - 390 hp V8, auto trans, 76,000 mi, new tires & batt, excel cond. Ext. 4329, 744-2269.

60 JAGUAR - 2.4 Mk 2 sedan, running cond. \$75. Bob, Ext. 3390/3106 after 5.

HURST SHIFTER - 3 spd dual pattern w/syncro-loc, fits Pontiac or others. Cost \$60, asking \$25. Mike, 475-5222 after 5:30.

PONTIAC 6 PACK MANIFOLD - W/3 Rochester 2 bbl carbs & linkage, fits 389-400 cu in eng. Cost \$165, asking \$75. Mike, 475-5222 after 5:30.

Boats & Marine Supplies

26' JERSEY KING SKIFF - 145 hp, sleeps 4, sink, fully equipped, auto bilge pump. \$500. 744-2552.

17' CABIN SPORT CRUISER - Fiberglass, 6' hdtip panoramic cabin plus windshield & navy top, chrome bow railing, 80 hp 1966 Johnson elec. \$1275 or best offer. 286-8297.

CONTROL BOX & CABLES - Johnson or Evinrude, cut for 16' boat. Warner, Ext. 2418, 475-7025.

MARINE GUARD - Heavy duty 2 batt selector switch model S-2022. \$15. E. Wirsing, Jr., Ext. 4495.

80 HP MERCURY 1971 - W/controls & gas tank, reasonable. 286-9126.

18' LAPBOARD SIDING - 75 hp Johnson, all acces. HR3-1094.

14' THOMPSON RUNABOUT - \$45; 1 pr water skis, \$20. Bill, Ext. 4782.

12' FIBERGLASS SAILBOAT - W/dacron sail, Holsclaw trailer w/tie-down bars & tail lights. \$600 for the outfit. 286-0517.

15' DURATECH - W/72 Evinrude 25 hp outboard, fully equipped, ready to go, rig like new, Holsclaw trailer incl. \$625, 286-3698.

12' MOLDED PLYWOOD BOAT - Has steering wheel & control cables. \$50. Kowalski, Ext. 4641, 744-3175.

36' CUSTOM TRUNK CABIN CRUISER - FWC, documented, fully equipped, fly bridge, extras. \$6500 firm. 363-6032.

32' PEMBROKE EXPRESS CRUISER 1966 - 250 hp Crusader eng, 10 hrs on eng, fly bridge. 363-6940 eves.

14' THOMPSON - 35 hp Johnson, navy top, side curtains, elec starter, steering controls, trailer, extras. \$225. Ext. 3827, 325-0758 after 6.

20' BAY CITY EXPRESS CRUISER - Custom built, 6' bunks, s.s. galley, head 95 hp Norburg F.W. cooled eng, many extras. \$1400. Walt K., 286-0246.

22' RESKY SKIFF - Wood hull, Gray eng inboard. I. Steele, Ext. 3415.

36' CHRIS CRAFT 1955 - Twin 210 Chrys, radio, depth finder, sleeps 6, shower, pres water system, h/w heater, excel cond. Tony, Ext. 2023.

13' BOSTON WHALER 1967 - 33 hp Johnson elec, trailer, 2 gas tanks, extras, excel cond. \$675. Stan, Ext. 2023.

14' ALUM BOAT - Starcraft, excel cond. \$100. Ext. 4058, 286-0436.

25' RICHARDSON - Sleeps 5, stove, sink, ice box, 95 hp Norburg in water. 289-0609.

BOAT TRAILER TIRE - 5.50x8 mounted on rim. \$15. Ext. 2485.

30' GAILBRATH - Fly bridge 1968, 265 Palmer FWC, monel tanks, outriggers, cedar hull, oak frame. \$3950. 273-4575 eves.

OUTBOARD MOTOR - 25 hp Evinrude elec start, 2 gas tanks. \$125. J. Chester, Ext. 4212.

THREE 6 GAL GAS TANKS - Evinrude, single hose. \$5 ea. Marty, Ext. 3284.

Miscellaneous

SHOTGUN - Dbl barrel Savage Fox model B 20 ga, used once, \$90; model 98 Mauser .243 cal heavy target barrel, \$50. F. Rumph, Ext. 4581.

SURFBOARD - 7'1" Design I, good cond. \$45. Mike, 473-2879.

BICYCLE - 20" conv sidewalk bike, good cond. \$10. C. Brewster, Ext. 4089.

REEL MOWER - 21" Jacobson "Manor 21", hardly used, 1/2 orig cost. Walt K., Ext. 4089, 286-0246.

CORNER HORSE GRAIN FEEDER - Cast iron. \$10. Walt K., Ext. 4089.

LAWN MOWER - Sears 18" reel mower, 2.5 hp, good cond. \$30. C. Brewster, Ext. 4089.

SILVER CERTIFICATES - Best offer, old bks, old 78 phonograph records. O. Booker, Ext. 4808.

WOODEN DESK - 21"x41" keyhole type, 4 drawers. \$8. 475-4199.

FURNITURE - All kinds, drapes, piano, etc. For directions to Stony Brook, call Mary Smith, Ext. 4622.

FREE - Male kittens, weaned & litter trained. B. Holt, 928-2881.

PANASONIC AM/FM RADIO - W/built-in 2 spd phono, all solid state, truly portable, like new. \$45. Ext. 4058, 286-0436.

66 APACHE BUFFALO TENT TRAILER - Add-a-room dinette, new tires, sleeps 6. 289-0609.

8 TRACK STEREO TAPE DECK - New. \$30. W. Lundgren, Ext. 4278, 585-3794.

LG MODEL AIRPLANE - For radio control, type Tango biplane, almost compl assembled, w/eng. \$40. Ext. 4240, 286-0295.

FREE KITTENS - 928-0821.

LAWNMOWER - Craftsman 4 cycle 2.25 hp, self propelled 18" reel mower, good cond. \$25. Ed, Ext. 2023, 363-6940.

4 PC DRUM SET - Excel cond, was selling for \$175, will let it go for \$150; microphone, \$8; Bogen PA, 100 w, new, \$85. 878-2486.

SIAMESE KITTENS - 2 males, 9 wks old, Sealpoint. Asking \$15. Fran, Ext. 4046.

14 K MEN'S RINGS - 9 new modern rings w/ diamonds, blk stars, lapis, below wholesale price; will sell separately. Ext. 4134.

KYOWA MICROSCOPE - Model KHS-2, 4 objectives, 3 eyepieces, graduated coaxial stage, Koolite lamp, Abbe condenser, wood case, slides. \$175. Saxon, Ext. 3435.

MISC 2 & 6 M AMATEUR FM EQUIP - Floor waxer. \$10. Bill, Ext. 4782.

PANASONIC TV - Lg screen, 1 1/2 yrs old. \$65. Jean, Ext. 3784/3105.

9x9 UMBRELLA TENT - \$20; sm grey formica table w/2 newly upholstered blk chairs, \$15; new Scrabble game, \$2.50. J. Ridgeway, Ext. 4512, 473-1154.

TENT - W/sewn in floor, 9'x18', external frame, s/s on door & 5 windows, privacy dividers, extra stakes, canvas bags hold all, excel cond. \$85. Frank, Ext. 4659.

3x12 POOL - Filter, ladder, used 2 seasons. \$30. Frankel, Ext. 4778.

SIAMESE KITTENS - Males - 1 blue, 1 seal, female blue, avail now. G. Irving, Ext. 2914.

ACCORDION - Oldie but goodie, 120 bass. \$50. 727-6258 after 6.

PORTABLE TAPE RECORDER - Craig 212 super w/ tapes & AC adaptor. \$35. G. Pitcher, 727-6258 after 6.

B^b CLARINET - Used 2 mos. new \$135, asking \$100. 281-5827.

TV - GE console, old but works. \$10. 744-3744.

LG SOFA - \$20. Ron, Ext. 4357.

18" TRICYCLE - 2 garden alum chairs, \$2 ea; wild rider car, up to age 12 yrs, \$7. Ext. 4329.

SAMOYED PUPPIES - 3 mos old, AKC reg, shots. \$100. Ext. 4030, LT9-7504.

CAMERA EQUIPMENT - In excel cond, 1 Argos C3, \$10; Argos C4, wide angle lens & light meter, \$25. 286-1213 after 4.

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

COLONIAL MAPLE BUNK BEDS - By Bassett. \$100. 286-2265.

FLATWARE SERVICE FOR 12 - Sterling silver, simple design by Marthinsen of Norway. \$350. 286-2265.

SUNBEAM ELEC ROTARY LAWN MOWER - 1 yr old. \$30. Marty, Ext. 3284.

45" ROUND TEAK DIN TABLE - W/pads, opens to 83", 6 matching chairs. \$150. Ext. 3819.

TROMBONE - Bundy, used 2 yrs. \$79. Wall, Ext. 4267.

APACHE TRAILER - Tent camper for rent. \$9/day, \$55/wk. 727-5848.

BOY'S SCHWINN BIKE - \$10. 475-1844.

DRESS - Cocktail, mint, green, size 11-12. \$7. Susan, Ext. 3462.

COX TRAILER FOR RENT - Ext. 2485.

ELEC OVEN - Counter top range, elec dishwasher; all \$50. Ext. 2485.

MOTORCYCLE WINDSHIELD APRON - \$15. Ext. 4030, LT9-7504.

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

LOT IN BELLPORT VILLAGE - 100x100, clean, hedged north & south, cyclone fence & gate. Olsen, 286-0376.

CENTER MORICHES - 1/2 acre wooded corner plot, 1 block to beach & boat launching. W. Lundgren, Ext. 4278, 585-3794.

COZY OLDER HOUSE - 4 bedrms, fireplace, full bsmt, sep garage. \$28,000. 286-9612 after 6.

PATCHOGUE - Roe Blvd section, 3 bedrm cape, fin bsmt, no garage, fenced wooded backyard, low taxes. \$24,500. Ext. 2525.

WADING RIVER - Lg 4 bedrm home on 1/2 acre overlooking Sound, paneled liv, fam rms w/fireplace, att garage, 929-6132.

PATCHOGUE - 2 bedrm expandable cape, 70x120 plot, fenced-in yard, low taxes, convenient to stores & trans, cable TV, city water & gas. A real buy at \$24,500, principals only. 475-2557.

For Rent

LG RM - W/priv entrance & priv bath, cooking arrangement for single working girl. 281-3984.

Wanted

HOME - For 2 kittens, 1 pure white, 1 red & white. A. Prodell, Ext. 4658.

OLD CHINA DOLLS - For our collection. 475-4199.

WOMAN'S BICYCLE - 10, 5 or 3 gear. Mrs. Novak, 473-8059 after 5:30.

FIRM FOAM RUBBER MATTRESS - & box spring in good cond, twin size. 286-8724.

DESPERATELY NEED LODGING - For 3 nights, 27-30 June 2 sm children. Ext. 3192/3964.

EARLY AM STYLE TABLE & CHAIRS - Reasonable. Ext. 3192/3194.

SUNFISH SAILBOAT - In good cond w/wo trailer. Ext. 4240, 286-0295.

LOVING HOME - 4 kittens, multi colored, gray stripe. Bob, Ext. 4652, 289-0357.

SUMMER STUDENT W/O CAR - Needs ride to NY, Fri 6/16, will split expenses. H. Bronheim, Ext. 2929.

BOY'S BICYCLE - 24" or 26", good cond, reasonable. Ext. 4046.

BOAT TRAILER - For 18' outboard, must be less than \$100. Les, Ext. 2944.

GUITARIST - Would like to join or form dance combo. Charlie, Ext. 3950.

TABLE SAW - 8", reasonable cond. Ext. 4745.

HOMES - For 7 adorable puppies, mother is Beagle, father unknown. 585-4040 after 6.

HOME - For 4 adorable kittens, pan trained, blk & white, tiger, gray & white, all blk. 751-0900.

LOVING HOME FOR KITTENS - Males & females, 6 wks old. Ext. 4453, 751-0023.

MEN'S BIKE - In good shape. 475-1844.

HOME - 85% female German Shepherd, spayed, all shots, blk, needs rm to run & play. Ernie, Ext. 4291, 727-2861.

FREEZER - Reasonable. Marty, Ext. 3284.

WET SUIT - Sm or med. 363-6940 eves.

1971 READERS DIGEST SONGBOOK - Kinne, Ext. 3334.

USED PLASTIC PRESCRIPTION CONTAINERS - W/caps, any size, for Sr. Citizens Club. S. McKenna, 134A.

SEAMSTRESS - To make custom slipcovers & drapes, my fabric - your labor. Y. Flack, Ext. 3318/3316, 698-1362 after 6.

PORTABLE ELEC GENERATOR - 110 V. Kinne, Ext. 3334.

Carpools

CARPOOL FROM SHOREHAM - Ext. 3964/3192.

RIDE WANTED - Or will form carpool, near Sunrise Hwy, Oakdale, Frank, Ext. 2333.

Lost & Found

LOST - Dk brown keycase w/3 keys. Claudio, Ext. 3373.

Services

YARD SALE - Boating equip & much misc gear, proceeds go to boating ed courses for US Power Sqd, June 17, 240 Norwood Ave, Pt. Jeff Sta. Ext. 4280.

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

CESSPOOL PROBLEMS? - \$25 for 15 gal of chemical, we put it in, special for Lab employees. 289-0565.

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

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

CHARTER FISHING - Out of E. Hampton. John, Ext. 4666, 588-0619.

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. 2109 or 2513.

ELECTRONIC TECHNICIANS (3) - Shift assignments. Accelerator Department.

CUSTODIAN - Plant Engineering & Planning.

SECRETARY I - Physics Department.

SCANNER - Evening shift. Physics Department.

Autos & Auto Supplies

67 SEARS MOTORCYCLE - 124 cc, made in Italy, single cyl, 4 stroke eng, 3800 mi, 5 spd, new head. \$125. A. Nauman, Ext. 3381.

V W TRAILER HITCH - Ready to mount. \$15. 286-2366.

70 V W YELLOW BUG - Orig owner, 21,000 mi, excel cond. \$1500. 286-9485.

68 JEEPSTER COMMANDO - Model F17, 4 w/d, r/h. A. Feltman, Ex. 4607, HR3-4779.

66 V W SQUAREBACK - 49,000 mi. George, 929-4818.

69 FORD CUSTOM - 4 dr, auto trans, pdb, 4 new tires. \$895. Bill. 878-2092.

60 PONTIAC CATALINA - 4 dr hdtip, needs trans work. \$50. Bill, 878-2092.

69 V W SQUAREBACK - Auto, good cond, runs well. 744-6446 after 6.

64 FORD COUNTRY SQUIRE - Auto trans, V8, ps/pb. \$275. Bob, Ext. 4490.

68 PONTIAC TEMPEST - Ps/pb, air cond, 57,000 mi, pr alarms, V8, \$1700. 325-1585.

63 VALIANT - 4 dr, auto trans, radio, good cond, must sell. \$200 or best offer. Jean, Ext. 3784/3105.

54 MERC ENG - V8, 256 cu in. \$30. Bill, Ext. 4782.

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.