



Craft Apprentice Deadline Is Near

Applications for participation in the Laboratory's Craft Apprentice Program will be accepted up until the deadline date of January 4.

This program, which began last year, currently employs six apprentices who were selected from among Laboratory employees to receive specialized training in the refrigeration/air conditioning and electrician trades. This year up to five additional employees will be selected for training in the machinist and electrician trades.

During his four-year training period, each apprentice will be given on-the-job training and will be required to complete a course of formal study related to his trade. Candidates will be chosen by selection panels for each of the trades being apprenticed, with preference being given to employees who have a year or more of service with the Laboratory.

Applications for the program will be accepted from any employee whose present base pay is no more than the going rate for labor grade seven (\$160.80 per week).

Full details of the Craft Apprentice Program are available through the counseling services of the Personnel Office, 58 Brookhaven Avenue. Interested employees may call Extension 2513.

Santa Alerted On Yuletide Dangers

Dr. George E. Leone, Suffolk County Commissioner of Health, today cautioned Santa to be on the alert for toys which might cause accidents as a result of electrical, mechanical, or heat hazards. "Toys which can inflict puncture wounds or have parts which might be pulled off or dislodged and then swallowed or inhaled should not be given to small children," he said.

"Holiday decorations may also prove poisonous if eaten by a child," cautioned Dr. Leone. Among those most fatal are leaves of the poinsettia plant, berries of the American mistletoe, berries of English holly, and bubbling tree lights. Chemicals that produce colored flames on burning logs are not only poisonous if eaten, but their fumes are poisonous if inhaled. "Parents with small children might think about substituting colorful plastic plants for poisonous decorative holiday plants," the Commissioner said.

Health authorities report that the jequirity bean, which may be found in some necklaces and other costume jewelry, contains seeds so toxic that if a child chews less than one seed of the hard-shelled bean, it can be fatal. The jequirity bean is bright orange or red with a black tip.

"Another way to safeguard your family's health during the holiday season is to take extra care with your turkey and stuffing to prevent food poisoning. While illness resulting from bacteria in improperly cooked poultry and stuffing is not generally considered as serious as poisoning from the above sources, it can be mighty uncomfortable for a day or two," Dr. Leone said.

The U.S. Public Health Service recommends that stuffing and poultry be heated, throughout, to a minimum of 165° F. As it takes a number of hours, depending upon the weight of the turkey and the temperature at which it is cooked, for the stuffing to reach a temperature sufficiently high to kill harmful bacteria, it is considered better to cook the dressing separately in shallow pans. Another thing to remember is to store both the turkey and dressing in the refrigerator except while it is being cooked or reheated for another meal.

"No one wants to spoil the fun of a joyous season," said Dr. Leone, "but observance of some simple precautions may prevent a holiday from turning into a tragedy."

Coming Attractions

12/14 Feynman Lecture #3 and Films
Berkner Hall - 1 p.m.

BNL's Clean Water Act



After leaving the aeration tank, water goes to a settling tank (foreground) before going into filtering tanks (rear) at the water treatment plant.

Medical Insurance For Dependent Students

Children of Laboratory employees are regularly covered under the employee's Family Medical Insurance Plan until the December 31st following their nineteenth birthday. Dependent Student Coverage is available for a child over age nineteen provided he is attending school on a full time basis and provided the employee applies for the coverage.

If there is a full time student in your family who will reach age 19 this year, be sure to apply for Dependent Student Coverage on his behalf as soon as possible. There is no additional premium required to obtain this coverage.

Application can be made at Personnel Services, 58 Brookhaven Avenue. Further information can be obtained by calling Extension 2106.

Employees with children who are no longer eligible for Dependent Student Coverage, should notify Personnel Services immediately.

Vacation Credit Reminder

The maximum number of vacation days that may be carried over from one calendar year to another is 36.

For weekly and hourly employees, any days in excess of 36 must be taken by Sunday, January 3, 1971. Monthly exempt and nonexempt employees must take any vacation days in excess of 36 by January 25, 1971. Any accrual for January, 1971 will not be affected by the 36-day carry-over.

BLIP Tank Ready



Beam stop tank for Brookhaven's Linac Isotope Producer (BLIP) has been erected at the end of the new 200-MeV linac. The tank, which is made of stainless steel is shown just before it was raised into position. When filled with 12,500 gallons of water, the 34-foot-high tank will provide means of producing large quantities of isotopes for medical and industrial use. The tank, which was supplied by the Department of Applied Science, was installed by the AGS Conversion Group.

Brookhaven's Thirst Quenched By Daily 5-Million-Gal Drink

One of the prime health habits recommended by most doctors is to drink lots of water. BNL should be healthy indeed, with its daily consumption of 5 million gallons of this life-giving fluid.

But not all of the water used on site goes to water coolers or to making coffee or tea. Most of the millions of gallons consumed are used for cooling, heating, cleaning, and hundreds of other uses in laboratories and shops all over the site.

While water from the wells at Brookhaven is fresh and pure as it comes from the ground, for use in chemical and photographic processes, it has a surprising amount of undesirable ingredients.

Iron, the worst offender of all, causes pipes to fill up with sludge, and decreases the efficiency of heat exchangers. Plumbing corrodes, and solutions made with water do not behave the way they are supposed to.

To remove the iron from the water and at the same time adjust the amount of other chemicals to a ratio that is ideal for all possible "domestic" uses, BNL's water is processed in a treatment plant before it is fed into water mains.



Regular tests of water samples done by Arthur Bowden, insure that the treated water (right) is crystal clear.

At the treatment plant, the water is aerated first to release CO₂ and to partially oxidize suspended iron. Lime is added to complete the iron oxidation, and then the water is filtered to remove the iron oxide.

After the water is filtered, chlorine is added to kill bacteria, and a polyphosphate to help corrosion control. Only then, after all this processing, is the water allowed to go into the mains and on its way to the water coolers, the coffee pots, and the laboratories and machines.

After the water is used, 1.5 million gallons pass through the sewerage plant each day, and the rest goes into recharge basins, back into the ground water supply.

The water treatment plant is fully automated, and is operated by the Plumbing section of Plant Engineering and Planning. Martin Caunter, foreman in charge, has one man at the plant all day, and sends maintenance crews in whenever there is a need. All of the controls for the plant have signal lights that make Security aware of any trouble, and a 24-hour watch is kept to monitor these alarm systems.

In addition to cleaning the water as it comes from the wells, Caunter's group also cleans the mains to remove any sludge that might have formed.

Using a technique borrowed from oil pipe line operators, the BNL crew had a 24-inch diameter polyurethane "pig" made to run through the pipes and push any sludge ahead of it. The pig is inserted into the main at the well head, compressed to half its diameter, and pushed along by water pressure through almost a mile of pipe. The first run of this pig was so suc-

(Cont'd on page 2)

Cooking Exchange Christmas Party

Thursday, December 17, from 4 to 6 p.m. has been selected for the annual Cooking Exchange Christmas party. Husbands are welcome to this party, which will be held in the Apartment Area Recreation Building.

Please call Josette Auerbach (286-3742) or Jackie Newman (AN5-7183) if you wish to attend. If you are unable to reach them, you are still welcome to come. Just bring bite-sized hors d'oeuvres or sweets to serve 12 people.

'All The Difference' Is Environmental Chiller

A "wonderful, mystic, horrible, and beautiful" film made for Eastman-Kodak will be shown to BNL audiences next Wednesday, December 16, at 1 p.m. in Berkner Hall.

"All The Difference" presents a chilling picture of the environment and what we humans are doing to change it. Running the gamut from sheer natural beauty to disgusting human intervention, the scenes in this film will alternately please and disgust the viewer.

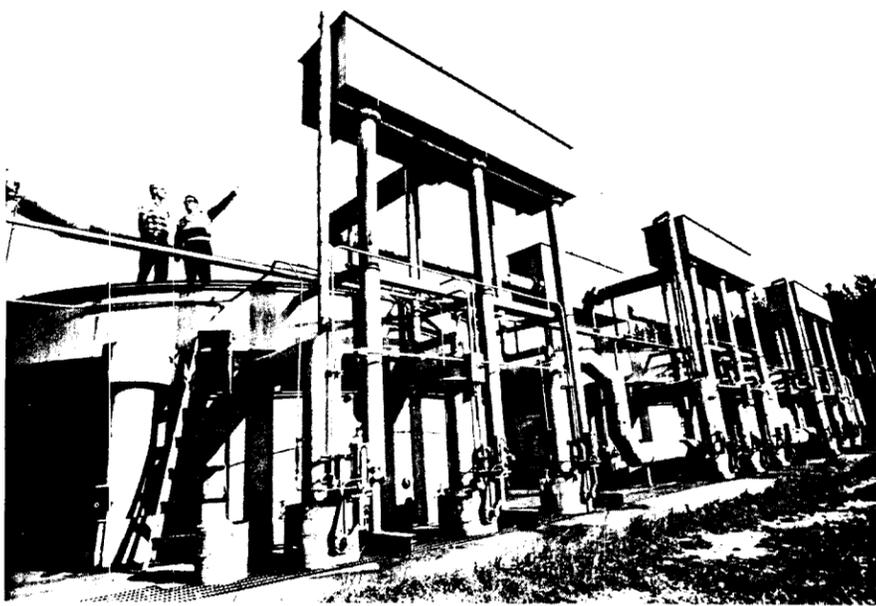
The sound track for the film is a mix between quotes from Thoreau and Whitman and a running conversation between a man and wife in the style of Mike Nichols and Elaine May. The color scenes of an unspoiled environment are superb, and the message of this film is plain. Larry Ravitz Associates, who produced this 20-minute film for Kodak did a beautiful job - by all means see it!

Water Treatment Plant



Martin Caunter (foreground) logs operation of valves in the pump room as Charles Kelly opens valves to feed processed water back into the mains.

Iron gets into the water system at the bottom of wells and coagulates at the screen. At well No. 6, the stainless and monel screen is pulled and cleaned. Riggers Charles Elbert and Edward Sives (left) hold the screen as John Lauber photographs it under the direction of engineer John Hennessey.



The massive filter tanks at the water treatment plant are backwashed at regular intervals to remove iron deposits and other impurities.



Constant maintenance is necessary to prevent corrosion of tanks at the water treatment plant. Herman DeCastro and Edwin Ericson touch up before the paint job.

Water Treatment (Continued)

cessful that it is now planned to repeat the run annually.

Iron and other impurities that have been removed from the water, are collected in settling beds near the treatment plant, and at regular intervals are trucked to the landfill site where they are disposed of.

The water treatment plant was built at the corner of Upton Rd and Cornell Ave. in 1965 at a cost of \$650,000. Seven wells at the lab supply water for domestic use, but only four of them are connected to the treatment plant. Water for cooling the AGS and the Medical Research Reactor is drawn from another 5 wells, and is not mixed with the treated water. All of the domestic wells draw their water from the aquifer of Pleistocene sand which is about 200 feet thick beneath the 8 square miles of the Laboratory site.

North Experimental Area



A beam transport tunnel for the AGS to service a new bubble chamber area to the north of the AGS is presently under construction. When finished, this beam will eventually service the 80" and the 7' chambers.

BROOKHAVEN BULLETIN

Published Weekly for the Employees of Brookhaven National Laboratory

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NORBERT J. DERNBACH
Public Relations Officer

Letters To The Editor

Dear Sir:

Just to set the record straight, I would like to point out that Dr. Leslie F. Nims was acting Chairman of the Biology Department from 1947 (when an active research program started) to 1950, when Dr. Howard J. Curtis was appointed Chairman. Dr. Nims asked to be relieved from his administrative duties in order to devote full time to research.

Dr. Donald D. Van Slyke, who served as consultant to the Laboratory on Life Sciences, was in 1948 appointed Assistant Director for Biology and Medicine. He was ably supported in Biology by Dr. Nims, and in Medicine by Dr. Lee Farr.

—Old Timer

Dear Sir:

Now that the new Berkner Hall and Cafeteria complex are here to stay and the mild criticisms about acoustics, lack of windows, etc., have died down, let us use and enjoy the new building. One item, however, we had in the good ol' Army barracks and do not have in the new Cafeteria is an honest to goodness bulletin board. In the old lobby we had a good, large, and solid, bulletin board right at the entrance where everyone could see it.

For those visiting guests as well as more permanent guests on site, entertainment in this area is limited to the neighborhood movie theaters and television. When a concert, a theatrical production or some other performance is offered in the immediate North or South shore communities, the occasion obviously is of interest to guests spending a dull weekend on site.

A Bulletin Board mounted permanently on the wall in the Berkner Hall building lobby would be of significant importance. At present we use 2 or 3 ads mounted on tripod stands which I find eminently unsatisfactory for two prime reasons: firstly one stand accommodates only one event at a time - each stand takes up a lot of room so that we are physically limited to very few stands - and secondly, a priori, usually only Lab sponsored events are advertised. Very few outside events, though mostly including full employee participation, are ever displayed in the Cafeteria lobby.

Concurrently, tickets to outside events will not be sold at the Recreation Office unless a whole lot of them are offered at reduced price, thereby eliminating any modest production from participating. I therefore suggest the following: install a good, functional Bulletin Board permanently in the Lobby of the Cafeteria building, allow the display of posters advertising local events - allow tickets to be sold at the Rec Office for these events, with no strings attached, and finally, let the Brookhaven Bulletin publicize - a few lines will suffice - these same events. (In all fairness the Brookhaven Bulletin has done this occasionally). Both the employees and guests will be grateful.

—Boris M. Lomonosoff, AGS



Still in good shape after being squeezed to half its diameter and travelling through almost a mile of water main, this polyurethane "pig" is being examined by Richard Mayer and John Siedlewicz of PE&P.

Holiday Cheer Can Kill You

To advise people at holiday times not to drink if they are going to drive, would be a futile exercise. To drink moderately would be sensible, but for each individual the amount consumed in moderation will have a slightly different effect.

For one person, three or four drinks may not affect them at all, but for another person, even two drinks would be too much.

How to determine your own personal limit is the life and death question.

Obviously, you can drink a bit and still drive safely. The important thing is to determine ahead of time how much can be consumed safely, and stick to your resolve.

The percent of blood alcohol is what determines your level of intoxication. Ten percent is generally considered the legal level. Weight of the person that is consuming the alcohol is another factor. The traditional 97 pound weakling can tolerate a lot less alcohol than the 300 pound half-back.

As a rough guide to alcohol tolerances, the following table is offered for your consideration:

Drinks per hour	1	2	3	4	5	6	7
Intoxicated?	no	maybe	probably	surely			
If you drive	Take It Easy	Use Caution	Don't Drive	You're Bomed			

A final word: If you are the host at a party, make sure you direct the person who is nearing his limit to the nearest coffee. Don't rush the drinks at the end of the evening, and don't cut short that last minute conversation. Remember, the surest way to sober up is to wait! Don't speed the parting guest if he doesn't look as if he can drive. It is a lot easier to listen to a boring conversation in your own parlor after a party than to have to make proper speeches at a funeral parlour.

Service Awards - December

Twenty Year

Dioguardo, John M. Accelerator
Nelson, Norman Plant E&P

Ten Year

Bailey, Wilbur V. Staff Serv.
Bezler, Paul Mech. Eng'g
Ellington, Reginald Plant E&P
Fischer, Jeanette Medical
Gillen, Ann J. Medical
Kehl, Robert C. Physics
Kujawski, Izydor Plant E&P
Love, William A. Physics
Miller, Philander Plant E&P
Nine, Beverly J. Chemistry
Noe, William J., Sr. Physics
Pozgay, Carl J. Mech. Eng'g
Rothmann, John C., Jr. Physics
Scheffel, Frances M. Applied Science

Arrivals & Departures

Arrivals

Robert A. Bonazzi Biology
Albert D. Gilbert P.E.P.
Jose A. Lopez P.E.P.
Fred Stokley P.E.P.

Departures

Robert E. Ackerhalt Chemistry
Lois J. Bartos Accelerator
Margaret E. McCuen Physics

Here and There

Claire Lamberti

Dennis Puleston and John Binnington (both Information Division) attended a meeting of the A.E.C.'s Technical Information Panel held in Oak Ridge, Tennessee, on December 1-2.

Doug Humphrey (Photog. & GA) gave a talk to the Long Island Society of Photographic Illustrators on November 24; the talk was on "The Journalistic Approach to Publicity and Public Relations Photography."

George M. Woodwell (Biology) accepted the invitation from Drs. A. Hollaender and S. Epstein to serve on the Committee to Establish an Institute for Consumer Occupational and Environmental Safety. He also accepted the appointment to the Board of Directors of the National Institute of Ecology Foundation for Education in Biology.

Leonard Newman (DAS) is attending the 2nd International Clean Air Congress held in Washington, D.C., from December 6-11.

Herbert Susskind (DAS) will attend the Conference on Boundary (Mechanical Surface, Gas Layer) Effects on Moving Blood, in San Diego, California, January 13-15, 1971.

Gertrude S. Goldhaber (Physics) gave seminars on the "phenomenological analysis of ground state bands in even-even nuclei" at Northwestern University on November 30, and Michigan State University on December 2.

A. Hull (I & HP) gave a lecture on environmental problems and a tour of the Counting Room to eight graduate students from Yale University.

Bowling News

Grace Fales

Red League

Last week the Red League had two firsts - Gene Fales and Whitey Tramm joined the 200 club for the first time with their 216 and 207 respectively. The Old Timers are holding their pace to hold on to 1st place, while the Phoubars are making sure they keep last place. Other 200 games were G. McGovern 234/679 gross series, D. Nelson 224, J. Ferrante 201, and J. Berech 200.

Pink League

The Hopefuls strengthened their hold on first by taking all 7 points from the Medigals, moving them down to third. The Pinsplitters went back into 2nd by taking 7 from the Alley Oops. Highs for the night were M. Stoeckel 180/484, J. Gazzola 178, Grace Fales 177, Betty Jellert 167, Brita McGonigle 167, Lillie Hillerud 166, and Ellie Murgatroyd 156.

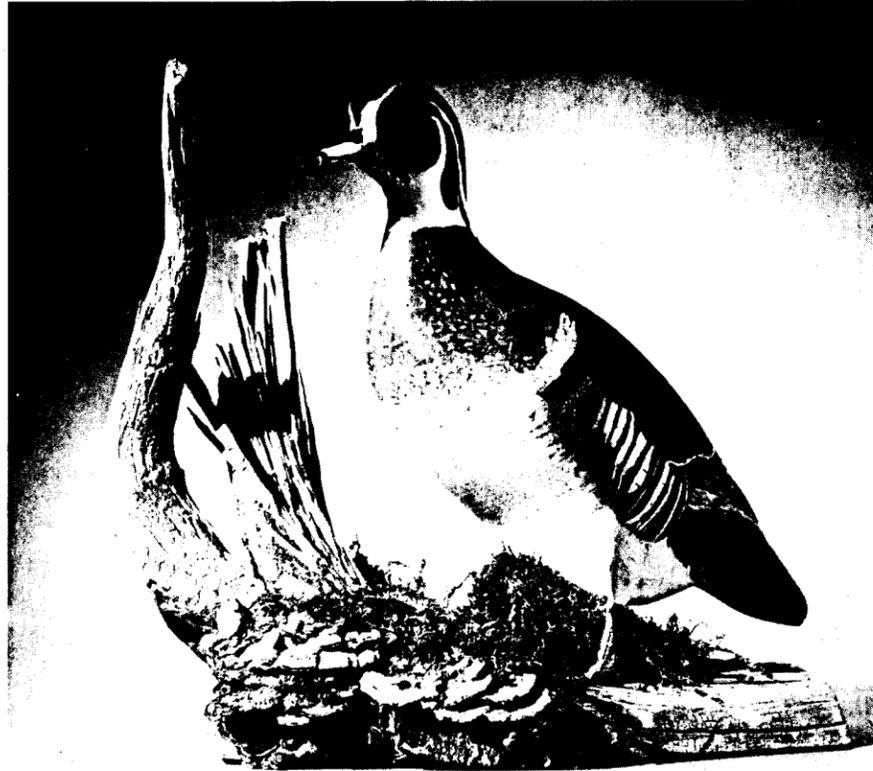
Black and Blue League

No news here. Note: Sincere apologies to "Handsome" Bud for misspelling his last name.

Reminder

Don't forget bowlers, next week your League Representative will be collecting your 25 cent entry fee for the High Gross Game Award of all BNL Leagues the week of 12/14.

Carved Duck Model



Ed Hunter, Grounds Maintenance, believes that a good substitute for TV watching can be found in wood carving. This full-size model of a male wood duck was carved out of white pine over the space of six weeks of evening work. Hunter has also carved other waterfowl, and now plans to carve the female wood duck. The model is fastened to a base of an old stump, and decorated with fungus and moss. Colors are all true-to-life.

Slo-Break Basketball

by George Latham

In last Thursday night's action, a new team, the Nationals, showed a lot of depth as they downed Physics 42-24, with all ten players in the scoring column. Ken Ellis had 14 points for the winners; Pete Stillman had 11 for Physics.

Med-Chem also had ten men in the scoring column as they broke a 20-20 half time tie to win from Biology 44-28. Doug Fay scored 10 points for Med-Chem; Bill Studier and Joe Abata had 11 and 10 points for Biology.

The Personnel team won a close one from AMD 27-24. Roy Evans dropped in 14 points for Personnel; Bob Barone had 7 for AMD.

The Tandems won their second straight after coming up from the Universities League taking the Knacks, last year's champs, 40-37. Joe Tyler scored 13 points for the Tandems; Bob Jansson was high man for the Knacks with 18 points.

Standings	Won	Lost
Associated League		
Tandems	2	0
Dirty Dozen	1	0
Personnel	1	1
AMD	0	1
Knacks	0	2
Universities League		
Med-Chem	2	0
Nationals	1	0
Biology	0	1
Physics	0	2

69 FORD SUPER VAN - H.d. suspension, V8, excel cond. \$2000. Ext. 7554.

64 CHEVROLET - Std trans, good tires; batt, muff & clutch 1 yr old. \$250. Ext. 7709.

65 PONTIAC CATALINA - Air cond, ps/pb, pwr ant, perf cond. R. Benske, 744-8302.

BUICK SERVICE MANUAL - All series '59 Buicks, 2 vols. \$5. Ext. 614.

66 VW PARTS - 2 rear fenders, 1 rear & front bumper, 2 wheels, 2 hub caps, 1-6.00x15 tire, excel cond. 286-0785 after 6.

1 PR 14" WHEELS - For '66 Dodge station wagon. \$8. B. Lundgren, Ext. 7782.

58 CHEVY - 283 V8, motor & tranny in good cond, car n.g. \$40. Ext. 639, 12-12-30.

65 PONTIAC STATION WAGON - 6 cyl, auto trans, luggage rack, good cond. \$700. Ext. 7441, 289-0489.

64 RAMBLER - 4 dr, 6 cyl, auto trans, ps. \$225. 281-9504.

65 YAMAHA - 85 cc trail motorcycle. \$100 or trade for mini-bike. Chester, Ext. 7642.

4 VOLVO HUBCAPS & BEAUTY GUARDS - Perf cond. \$6 ea. Ferrero, Ext. 687.

63 FORD PICKUP - 3/4 ton, h/d '69 V8 eng, auto trans, all in very good cond. \$500 firm. Ext. 7642.

FIAT WHEEL & TIRE - Very good tread, size 5.20x14. \$10. 265-3982 after 6.

Recreation Facilities Holiday Schedules

The Recreation Facilities will remain open during the month of December as per normal schedules with the following exceptions:

Swimming Pool

Closed December 24, 25, January 1

Open December 31 - 12:00 to 6:00 p.m.

Recreation Building

Open for Christmas parties only on December 17 through December 23.

Closed December 24 through January 1.

Recreation Office

Closed December 24.

Film Service Office

Open December 24 - 9:00 to 1:00.

BNL Greeting Cards

The Film Service Office, located in the Gymnasium, has now available for immediate purchase the 1970 edition of the BNL Seasons Greeting card. This year's card features a colorful photograph of a molecular model of a crystal.

Stop by and pick up a card for 25¢, or 50 for 18¢ each, or 100 for 15¢ each.

While you're there, pick up your holiday supply of film and flash equipment.

If you need help call Extension 7221.

Selected Reading

General, December 2, 1970

Science 170, November 27, 1970

American institutions and ecological ideals. L. Marx. 945-52

Academic research: OST aide sees no shift in financial situation. D.S. Greenberg. 952-4

Sci. J. 6, November 1970

Aims and responsibilities of social science. 52-5

65 PLYMOUTH FURY - Trailer packaged, ps/pb, all new tires, r/h, Nov NY inspected, excel cond. \$600. 924-3291 after 5:30.

61 RENAULT CARAVELLE - Conv w/removable top, 4 spd, good body & int but eng apart, needs work, have extra parts. \$45. Dusek, Ext. 2473, 271-5551.

62 VW PICKUP - For parts, \$30; 2-15" Dodge car rims, \$5; bumper jack, \$3. O. Booker, Ext. 2411.

62 RAMBLER - 2 dr, 6 cyl, std trans, r/h. \$200. W. Tremel, Ext. 2457.

69 VOLVO 142 - Auto trans, air cond, am/fm radio, low mileage. \$2500. Ginny, 2171.

70 VW - Lt blue, excel cond, 19,800 mi, warranty. \$1650. Enrico, Ext. 2962.

2 MOUNTED SNOW TIRES - On Ford 15" wheels, Uniroyal Winters, 7.35x15. \$8 ea. AT9-0567.

4 TIRES - V-110 Vanderbilt 1st line, 6.70x15, 4 ply nylon, mounted 15" Ford wheels. \$4 ea. AT9-0567.

2 SEARS TIRES - 4 ply 1st line, mounted, 6.70x15. \$4 ea. AT9-0567.

2 TIRES - Firestone Town & Country w/w, w/Pontiac rims, used less than 1 season. \$40. Ext. 449, 744-8302.

1 PR 14" HOLE RIMS - For GM cars. \$8. E. Schwaner Ext. 2411.

65 PONTIAC TEMPEST - 4 dr, std trans, r/h, good cond. \$550. Bob, Ext. 2450, 289-0537.

14" PONTIAC WHEELS - Good cond, \$6/pr; 12v Chevy-Pontiac generator, \$6; 12v Corvair generator,

Volleyball News

Odelli Ozer

The volleyball leagues got under way on November 16. In the Men's League the Atom Spikers greatly strengthened by the return of Jerry Levine took an early lead, but last year's winners, the Spikers, with one fewer game played, are not far behind. A meeting between these two teams next week should be quite exciting.

In the Mixed League Ruby Burwell's Jets are in the lead in what promises to be a very tight race.

The standings after two weeks of play are as follows:

Men's League	Sets Won	Sets Lost
Atom Spikers	6	0
Spikers	3	0
Bio-Meds	2	4
Charlie Browns	1	5
Chemistry	0	3
Mixed League		
Jets	5	1
Boomerangs	4	2
Spikers	3	3
Misfits	0	6

Cafeteria Menu

Week Ending December 17, 1970

Friday, December 11

Clam & Celery Bisque
Fried Shrimp w/Tartar Sauce & French Fries .95
Old Fashioned Beef Stew w/Vegetables on Rice .80
Baked Flounder Stuffed w/Crabmeat & 1 Veg. .85

Monday, December 14

Turkey Noodle Soup
Irish Corned Beef w/Cabbage & Boiled Potatoes .95
Hero Meatballs w/Hunter Sauce & 1 Veg. .80
Creamed Chicken a la King on Noodles & 1 Veg. .85

Tuesday, December 15

Vegetable Soup
Roast Turkey w/Stuffing, Cranberry Sauce, Gravy & 1 Veg. .85
Baked Meat Loaf w/Brown Gravy & 1 Veg. .80
Broiled Link Sausages w/Brown Gravy & 1 Veg. .80

Christmas Menu

Wednesday, December 16, 1970

Assorted Relishes
Cream of Mushroom Soup or Tomato Juice
Choice of
1/4 Roast Stuffed Chicken w/Giblet Gravy & Cranberry Sauce
or
Roast Fresh Ham w/Applesauce
With Choice of Two
Whipped Potatoes, String Beans & Mushrooms or Red Cabbage
Apple, Pumpkin or Mince Pie
Coffee, Tea or Milk
\$1.25 incl. Tax

Thursday, December 17

Barley Broth
Breaded Pork Chop Baked w/Mushroom Sauce & 1 Veg. .80
Broiled Chicken Livers & Bacon w/1 Veg. .80
Chili Con Carne on Rice w/Tossed Green Salad .80

\$7.50. Bob, Ext. 2450, 289-0357.

60 OLDSMOBILE - Int & ext good, new brakes & batt. \$200. Pfister, Ext. 2934, HR2-1409.

SNOW TIRES ON RIMS - Firestone Town & Country w/studs, used 1 season. 2/\$35. Ext. 343, AT6-8849 after 6.

57 CHEVY - Good. \$50. Bill, Ext. 2314.

64 TR-4 - Good cond, tonneau cover, winterized, red/blk int, must sell. 288-6394.

66 DODGE MONACO 9 PSGR WAGON - Ps/pb, roof rack, hitch platform, 48,000 mi, good cond. \$995 firm. Ext. 439, 473-1523.

67 FORD FAIRLANE - 6 cyl, std trans, good cond. \$800. D. Lane, Ext. 7821.

70 CORVETTE - Ps/pb, tilt telescopic steering, 350-350, 411 rear, must sell. 472-3864 after 7.

46 DODGE - 4 dr sedan, heater, good rubber, no rot, good transportation. L. Decker, Ext. 2431.

69 VW BUG - Tan, radio, undercoat. \$1250. L. Decker, Ext. 2431, 286-0128.

2-14" OLDS RIMS - \$5/pr. Charlie, Ext. 2340.

63 PONTIAC BONNEVILLE - 2 dr hdtpr, r/h, auto trans, ps/pb, pwr windows, 2 new tires, excel cond, orig owner. \$475. Ron, Ext. 366, 751-8403 after 6.

SNOW TIRE - 8.25x14 b/w, used 1 season. \$15. Ext. 2270.

63 MGA - Lateral eng, front wheel drive, snow tires, runs well. Geo. Mooney, 644-7798.

Classified Advertisements

Positions Available

The Brookhaven Bulletin each week will list job openings which have come to our attention and may be of interest to Lab employees. Each listing will be repeated (if still available) only once.

RESEARCH SERVICES ASSISTANT (ORDERLY) - Medical Department.

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

KEYPUNCH OPERATOR (2) - Systems & Data Processing. Half-time 5 to 9 p.m.

TELEPHONE OPERATOR (1) - Staff Services. Expected duration: 8 months. Application deadline: December 14, 1970.

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

Auto & Auto Supplies

SNOW TIRES - 7.00x13, new last Dec but used only 100 mi, in cool storage since, at 1/2 price. \$25/pr. H. Brown, Ext. 7549.

66 PONTIAC TEMPEST - Excel buy. \$550. Herb, Ext. 2868, 744-5238.

66 DODGE DART - 6 cyl, new batt, good cond, good tires, low maint, r/h. C.iff, Ext. 7400.

Stony Brook Events

Friday, December 11

"Alice's Restaurant" will be shown at 7 p.m., 9:30 p.m. and midnight in Room 100 of the Lecture Center, admission \$1.00.

Euripides' tragedy, "The Bacchae" will be performed today, Saturday, and Sunday at 8 p.m. in the Gym Theatre, admission \$1.50.

Saturday, December 12

"The Kind-Hearted Ant," "Lines - Horizontal," "Clay," "The Chicken" and "Dream of the Wild Horses" will be shown as part of the Children's Film Festival at 10 a.m. and 2 p.m. in the Union Theatre, admission 50¢.

"Alice's Restaurant" will be repeated at 8 p.m. and 10:30 p.m. in Room 100 of the Lecture Center, admission \$1.00.

Sunday, December 13

The Black Gold Dance Group will perform at 8 p.m. in the Stony Brook Union Formal Dining Room.

The Long Island Symphonic Chorus and the University Chorus will perform a concert at 8:30 p.m. in the Women's Gym, admission \$2.50.

Monday, December 14

"Grass," a film about Southern Persian nomads in search of grass, will be shown by the Anthropology Club at 8 p.m. in the Cardozo College Study Lounge.

As part of a series on "Fascism: It Can't Happen Here - Or Can It?" the film "Life of Adolph Hitler" will be shown at 8 p.m. in Kelly Cafeteria.

Tuesday, December 15

A Beethoven Bicentennial Commemoration Recital will feature works by Beethoven for piano solo, vocalist and trio at 9 p.m. in the Union Theatre. Performers will be Doris McMullen, pianist; Ellie Levine, soprano; Anna Maria Botazzi, accompanist; Edith Perrod, violinist; Olga Irvine, cellist; and Tamara Slobodkin, pianist.

Wednesday, December 16

The science fiction films "Journey to the End

of the Earth" and "Lost World" will be shown twice beginning at 5 p.m. in the Union Theatre.

Thursday, December 17

An informal celebration of Beethoven's birthday will feature a string quartet playing a Beethoven piece followed by coffee and birthday cake at 8 p.m. in the Union Formal Dining Room. Donations will be accepted.

The innovative Japanese film "Woman in the Dunes" will be shown at 8:30 p.m. in Room 100 of the Lecture Center. Tickets should be picked up in Room 294 of the Administration Building between 2 and 10 p.m. Monday through Wednesday.

Banking Hours

The Peoples National Bank Facility on site will be open from 8 a.m. to noon on Thursday, December 24. The bank will be open regular hours (10 a.m. to 4 p.m.) on Thursday, December 31.

Snow Closing

As in past years, Lab employees are urged to listen for closing notices before starting to work on a snowy day. Information on emergency closing due to inclement weather will be carried by the following stations:

	AM	FM
WRIV Riverhead	1390	-
WHRF Riverhead	1570	103.9
WPAC Patchogue	1580	106.1
WALK East Patchogue	1370	97.5
WLNG Sag Harbor	1600	92.1
WBAB Babylon	1440	102.3
WHLI Hempstead	1100	98.3
WLIX Islip	540	-
WGSM Huntington Station	740	94.3
WGLI Babylon	1290	-

SADDLE TANKS - For ¾ ton trucks, 18 gal ea, inst under bed, w/straps, hoses, filter & 4-way valve, never used. \$50. P. Warner, Ext. 2402.

57 VW - Runs, new brakes, body good. James, Ext. 7235.

63 RAMBLER - Auto trans, 4 dr. \$100 firm. 732-8236.

SNOW PLOW - Hydraulic, for jeep wagon. \$150. Nate, Ext. 7121, 924-3124.

68 FORD LTD STATION WAGON - 10 psgr, ps/pb, auto trans, snows, excel cond. \$2150. Ext. 7709.

Boats Marine Supplies

15' DUO FIBERGLASS BOAT 1967 - Excel cond. \$200 firm. Ext. 7212, 744-9085 after 6.

15 HP EVINR JDE - Runs well. \$30. B. Espensen, Ext. 7638.

16' GAFF RIC: CB SLOOP - Shallow draft for G.S.B., Ratsey sails. Asking \$300. L. Decker, Ext. 2431.

Miscellaneous

ROAD KING 8' CAMPER - Good shape. \$850. R. Ostrom, 281-8695.

LADIES LEATHER COAT - Size 8, never worn, \$35; leather handbag, \$5; slacks, blouses, etc., all brand new, size 8. S. Spark, Ext. 2442/2930.

PLAYPEN, CRIB, ETC. - Peterson playpen, like new, \$25; wooden crib w/matt, \$25; light stroller, high chair, \$3 ea. Ext. 7709

TOYS - Batt pwr dune buggy, batt rechargeable, \$20; sol st GE record player, \$20; play wagon, \$8; more, cheap. Ext. 7709.

TANDBERG STEREO TAPE DECK 6000X - Latest & best model, top rated, new in carton, w/full warranty. Sells for \$500, sell \$385. Mel, Ext. 2728.

CAR BED - Excel, \$6; baby syngomatic, \$5; sterilizer & bottles, \$2; plastic baby tub, 50¢. 473-7667.

UTILITY TRAILER - 4'x5'. \$30. F. Folde, Ext. 567, 728-4481.

FISH TANK - 30"l, 13"d, 12"w, slate bottom, heavy duty plate glass sides. Ben, Ext. 2588.

CHRISTMAS TREE - 7', silver color, very full, w/multi-colored revolving spotlight, make offer. Ben, Ext. 2588.

BIRD CAGE - All chrome, glass sides all around, 22"h, 15"l, 9"w, in like new cond. Ben, Ext. 2588.

ICE SKATES - Boy's, child size 11, from Princeton shops, like new. Orig cost \$29, sell \$8. Paffrath, Ext. 2287.

ELEC MOTOR - 3 hp Westinghouse, 110/220v, single phase, 1740 rpm. \$30. Ext. 614, 878-4089 eves.

ACRYLIC CARPET - Never used, blue-green, 4'x6', \$10; 3'x11'6", \$15. Nardi, Ext. 7243, 286-8512.

WESTERN BOOTS - Men's size 10D. \$10. Ext. 614.

END TABLE - Thomasville Monterey solid pecan, 28" x28", \$30; solid maple magazine rack, \$12. Nardi, Ext. 7243, 286-8512.

HOCKEY SKATES - Boy's size 3D, Canadian made, good cond. \$3. Potter, Ext. 2953, HR2-2262.

2 SLOT CARS - ¼ scale w/controller, 1 very fast w/"rebound" motor for racing, the other rigged to do "wheelies." AT5-0295 after 6:30.

FUR COAT - Beautiful brown mouton, size 14, ¾ length, flare back, very good cond, owner moved south. \$50. 924-6977.

GARDEN TRACTOR - Heavy duty, w/plow, Harrow, grass mower, riding sulky, eng needs work. \$50. Ext. 614, 878-4089.

GAS SPACE HEATER - Will heat 4 rm house, like new. \$50. Ext. 639, 12-12:30.

FURN - White crib, \$10; matching chifferobe, \$15; mahog dresser, 3 lg drawers, \$40; Hoover upright vacuum cleaner, \$45. R. Dietz, Ext. 623.

LADIES' ICE SKATES - Hyde, white, size 7½. \$10. Ext. 2924.

KEROSENE SPACE HEATER - W/side blower, will heat 2 rms. \$20. 281-9504.

GIRLS' SCWINN BICYCLE - 24", needs tires. \$7. Jim, 473-0288.

ALUM WINDOW FRAME - 44"x32" dbl glass & screen. \$10. Jim, 473-0288.

ELEC DRYER - Free, needs work, 10 yrs old & runs. Ext. 2117.

FOLD-UP PING PONG TABLE - Regulation, on wheels, excel cond. \$15. Ext. 7212, 744-9085 after 6.

ST BERNARD PUPPIES - AKC, 1 male, 1 female. 732-3443, 732-2204 after 5.

PIONEER - SX-1500TD am/fm stereo receiver, audio output 200 watts, 6 sets of inputs, walnut cabinet. Cost \$399.95, sell \$300. Joe, Ext. 7745.

IDEAL CHRISTMAS GIFT - Poodles, AKC, 2 males, 2 females, reasonable. 744-3807.

2 PC COLONIAL FURN - Ext. 2397 after 6.

STORM DOOR - Alum jalousie, 36½"x80", screen, all hardware incl. Warren D., Ext. 7677.

20" GIRLS' BICYCLE - \$10. Warren D., Ext. 7677.

SONY STEREO 3 HEAD TAPE DECK - TC6360, Kenwood KR-33 am/fm amp & stan ear speaker, new. T. Suzuki, Ext. 397 after 6.

24 HOT WHEEL CARS - Tracks, curves & 2-way supercharger, excel Xmas gift. \$30. 281-7464 after 4:30.

GOLD NYLON CARPET - Deep sculptured pile, 12' x20'6". Orig cost \$250, best offer over \$100. Ext. 7619, 581-7190 after 6.

WASHING MACHINE - Norge heavy duty, excel cond. \$125. 924-8213 after 6.

FREE - 2 cute puppies, females, 1 blk, 1b/w, avail in 2 wks. J. Dispartti, Ext. 7415, 12-12:30; 281-8943 after 6:30.

WOODEN STORM SASH & SCREENS - 2 ea 1½" x24"x46½", 1 screen door 1"x32"x81". All \$5. F.J. Keute, Ext. 2580, 475-2287.

KAY ELEC GUITAR - W/case, reasonable. Dan, Ext. 7421, 744-5969 after 6.

CAMERA - 35 mm, 3.5 Elmar lens, Compur rapid, light meter, Weston II, range finder, flash unit BC. All/\$45. Petruk, Ext. 2142.

SKI BOOTS - Men's size 9, leather, laced. \$10. Ext. 2142, 286-0124 eves.

SKI BOOTS - Henke, men's size 6, buckle, \$15; ladies' size 5, lace, \$5. Ext. 418.

XMAS TREE BASE - Enameled steel, holds water, used once. \$3.50. B. Espensen, Ext. 7638.

BOY'S ICE SKATES - Never used, size 3. \$9 new, will sell for \$5. B. Espensen, Ext. 7638.

BELL BOTTOM WARM-UP PANTS - 1 pr, navy blue, child's size 10, worn once. \$5. Hendrie, 567-3906 after 5.

JUNIOR 140 CM HANOVER SKIS - 1 pr, w/French salomen junior safety bindings, good cond. \$20. Hendrie, 567-3906 after 5.

FRIGIDAIRE - 12 cu ft refrig, pink, good cond. \$30. E. Bihn, LT9-2184.

FREE - Asstd electronic parts, just the thing for the beginning experimenter. M. Greene, Ext. 7779.

FREE - BC 1206 C beacon receiver. M. Greene, Ext. 7779.

MEN'S FIGURE SKATES - Size 10, used 1 season. \$6. Gil, Ext. 2204.

BOY SCOUT UNIFORM - Drip dry material, pants-28" waist, shirt-13½" neck. \$5. Gil, Ext. 2204.

ICE SKATES - Girl's size 5, white, Canadian made, worn very few times. \$3. Ext. 7386.

PR PINK ANTIQUE SATIN COVERLETS - Twin size, \$10/pr; antique amethyst pressed glass basket, 9" dia, \$10. HR3-2507.

IRISH SETTER PUPS - AKC reg, will be ready for release on Christmas, reservations being taken now. 929-4631.

SCOTCH PINE CHRISTMAS TREE - 7½' artificial, w/trimmings, can be seen on 19th. \$20. Ext. 586.

MAN'S LUGGAGE - 3 suiter & companion case, A/E Wallstreeter br leather grain; 100% human hair wig, brown, worn once. 473-1509 after 5:30.

CHINA CLOSET - Antique gold finish, \$20; table & 4 chairs, \$5; buffet, \$10. R. Slavinski, Ext. 2896, 473-4043.

ARTIFICIAL FIREPLACE - W/elec logs, lt wood finish. \$25. R. Slavinski, Ext. 2896, 473-4043.

MOVIE PROJECTOR - Dual 8 Bell & Howell, new. \$90. H. Lobe, Ext. 2314.

WOMAN'S FIGURE ICE SKATES - White, size 8. \$12 value for \$8. Geo., Ext. 657.

ROCKWELL DELTA 10" TABLE SAW - Used once, sell for \$175 firm. 475-5150 after 6.

HOT WHEELS - 2 super chargers, 44' track, curves, ramp, dare-devil loop, 6 cars, acces incl., excel cond. \$10. Paul, Ext. 2222.

CASSETTE RECORDER - Sony 70, portable, works on batt or ac, w/remote mike, hardly used. \$70 new, sell for \$50. Ebi, Ext. 7779.

SEWING MACHINE - Kenmore, good cond. \$25. Richard, Ext. 7267.

HI-FI - Low cost, FM tuner, preamp, 20-watt Heathkit amplifier (monophonic, tube type), \$25; speaker enclosure w/12" speaker, \$20. Ext. 2584.

DIN RM SET - 8 pcs, 6 chairs, table & hutch, mod, dk wood, excel cond. \$79. Ext. 439, 473-1523.

FILTERS - For Rollei 35, yellow & daylight. Both/\$3. J. Llacer, Ext. 618/7230.

GERMAN RADIO - Grundig, med size portable, am/fm/lw, 4 bands, short wave, tremendous quality & cond. \$100. Llacer, Ext. 618/7230.

STROLLER - Collapsible, 11" wheels, excel cond. For \$15 will throw baby carriage into bargain. Ext. 7753, 286-3742.

ROSEWOOD UNIT - 2 shelves (32"x12"), 1 record cabinet, mounted on free standing alum poles, mounting hdwre incl, excel cond, must be seen, best offer. Ext. 7753, 286-3742.

WOODEN STORM WINDOWS - 2 ea 31x47, 32x55, also the corresponding wooden screens. Ext. 7753, 286-3742.

PERSIAN KITTENS - Champion sired, several colors, will hold for Xmas. \$75-\$85. Judy, 924-8659.

ELEC SEWING MACHINE - Kenmore portable. \$50. Ext. 565.

SCULPTURED RUG - 9'x12' gold nylon. \$50. Ext. 7219.

ELEC OVEN - Broiler toaster, Black Angus petie model. \$20. Ext. 7219.

RM DIVIDER/BAR - Mod, 5', walnut, all formica, excel cond. \$60. 924-4097.

MEAT GRINDER & CHOPPER - Stainless steel, vacuum clamp. \$10. Ext. 7219.

MINI-BIKE - 5 hp, good cond. \$75. Ext. 686.

MINOLTA SR2 REFLEX CAMERA - F/1.7 55 mm auto-Rokkor PF, f/4 135 mm Rokkor TC, case, UV filter, lens hood. \$90. Palmer, Ext. 7666.

ZENITH 21" B&W TV - 16 mos old. Cost \$155, sell for \$100. M. Goldberg, Ext. 7286, 473-9354 eves.

SKI BOOTS - Leather, good cond, sizes 6N & 9½M. C. Foelix, Ext. 2334.

ENGLISH BABY CARRIAGE - Convert to car bed. \$25. Jack, Ext. 7784.

DISCUS FISH - Full size, tank bred. \$10 ea. M. Milau, Ext. 2830.

FLOOR LAMP - Sperti irradiation, model S200 ultra-violet infrared, 575 watts, perf cond. \$10. Chas., 732-3350.

USED TOYS - AMF pedal car, 1 tricycle, 1 children's portable phonograph, Budding Beauty vanity. Marty, Ext. 667.

MAGNUS ELEC CHORD ORGAN - 12 chords, 37 keys, in excel cond. Advertised in Whites for \$40, will sell for \$25. Marty, Ext. 667.

FAMOUS WRITERS COURSE - In non-fiction writing, all textbks, study guides & assignments, recent graduate will assist you if desired. Cost \$715, sell \$200. P. Warner, Ext. 2402.

21" MOTOROLA TV - In blonde cabinet, in working order but could use minor repair. \$35. H. Browell, Ext. 430/421.

PORTABLE ELEC IRON MANGLE - \$20. Ext. 565.

WOOL BLANKET - Forstmann Luxury Thermal by Stevens, hardly used, Queen size. \$10. AT6-0975.

WIG - Frosted blonde, Vidal Sassoon, never worn. Purchased for \$40, will sell for \$25. AT6-0975.

MISC HOUSEHOLD GOODS - Incl mixer & jalousie windows. Bob, Ext. 2246, 475-3618 after 6.

SKI BOOTS - Brand new, never worn, Kastinger mens size 12 narrow. Cost \$70. Sell for \$50. Anne, Ext. 388.

SKI BOOTS - Brand new, never worn, Kastinger, men's size 12 narrow. Cost \$70, sell for \$50. Anne, Ext. 388.

WATER SKIS - New, Cypress Garden, never used. \$30 new - now \$10. 473-5345.

SHAKES - Cedar hand split, 2 sq w/undercovering. \$12. 473-5345.

SURFBOARDS - Used. \$25. 473-5345.

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

2 ACRES - 500' off Jericho Tpke on Wilson Ave, Gordon Heights. \$6000. 732-3443.

OLD STONY BROOK - 7 rm house, porch, 1½ baths, full din rm, ½ acre, water view, walk to beach, lg trees, well landscaped. Asking \$39,000. 751-0120.

Wanted

SM METAL LATHE - Reasonable. Jack, Ext. 7766.

ELEC GARAGE OPENER - For 16' roll up door, reasonable. P.J. Sparrow, Ext. 2753, 727-4859.

FOR YOUR XMAS PARTY - Live music, Donnie Dee the One Man Band. 281-8044 after 5.

PORTABLE CLOTHES WASHER - For sm apt. Ext. 2492.

USED SAIL - Any type, 40-60 sq ft; outboard motor, 5-7 hp, running cond. AT6-1205.

WILL SHARPEN ICE SKATES - T. Lehecka, LT9-2470.

WOODEN STORM WINDOWS - 5 ea 43"x31" or slightly larger. Ext. 7169, 581-7190 after 6.

MUSIC DANCE BAND - The Red Coats, entertainment, Hawaiian, others. Ext. 369.

TYPEWRITER - Good cond, reasonable. Bob, Ext. 2450, 289-0357.

WOOD PORTA CRIB - Reasonable. R. Slavinski, Ext. 2896.

TREE REMOVAL - Will do tree removal & chain saw service, painting ground maint, etc. Bob, 732-9517.

BABYSITTING - I will babysit in my home (Hampton Bays) for working mother. J. Folde, 728-4481.

USED MICROSCOPE - For high school student. Livant, Ext. 7465, 744-3895.

BABYSITTING - Young mother will babysit in own home, has practical nursing experience. G. Buckley, 281-5498 after 6.

ANVIL IRON - Or information as to where I may obtain one. Ext. 2256.

TV - Portable or table model, good working cond. J. Smith, Ext. 2797.

1 SM BICYCLE - 2-10" or 12" wheels; 1 pedal car. G. Mooney, 644-7798.

FURN APT OR HOUSE - 3-4 wks as from 1/1/71. J. Klopper, Ext. 2889.

TRADE - 792 loose Triple S blue stamps & 1 bk S&H stamps for same amount Plaid. Ext. 586.

USED BOY SCOUT HANDBOOKS - Merit Badge bks, Cub Scout wolf, bear & lion bks, for Scouts in Appalachia, Tenn. J. Weiss, Ext. 2472.

Carpools

RIDE - Paying rider wishes ride from Centereach. Janet, Ext. 380.

PAYING RIDER - Needs ride from Westminster Dr, Shirley, Fridays only. Claire, Ext. 2131.

Looking for a carpool that needs a rider from Riverhead. Call K. Grigsby, Ext. 2449.

Lost & Found

LOST - Ladies' silk scarf, square, red, white & blue. Ext. 450.

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