BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

Sheffield Street before the Manchester Project was in a typical declining, inner-city block in Pittsburgh, Pennsylvannia. Despite its proximity to transportation, jobs and services, the Manchester neighborhood suffered from a dwindling population of low income residents and a combination of ramshackle houses, abandoned buildings and vacant lots.

After the Manchester Project, Sheffield Street had a whole new look and its residents had improved housing conditions, both physically and thermally. The new construction (far right), GreenLee Gables, incorporates active and passive solar design, yet conforms to requirements for new buildings within a National Register of Historic Places district.

An Inner-City Success Story

For their part in creating an energy-efficient housing project that revitalized an inner city block in Pittsburgh, Pennsylvania, Architect Ralph Jones, Engineer Walter Loss and former BNL employee Dan Hagen were honored with the Applied Research Award by Progressive Architecture, the most respected journal of building design in the country, in its 33rd annual contest.

On January 24, Jones accepted the award on behalf of the U.S. Department of Energy (DOE), Office of Buildings & Community Systems, which was one of the governmental agencies involved in what is called the Manchester Demonstration Project. Says Jones, "It was rewarding being involved in an energy-conservation architecture project that can be used as a model to improve housing for low-income homeowners and to revitalize decaying neighborhoods in other cities in the country."

DOE, Jones and his colleagues developed a workbook for designers and one for contractors planning to rehabilitate existing housing or build new units in a low-income, inner-city neighborhood. These workbooks offer technical energy-conservation guidelines, which were used in the project's architectural design and construction specification. Based on this advice, 12 units of abandoned housing were rehabilitated, ten units of existing housing were retrofitted and 15 new units incorporating active and passive solar design were constructed on vacant lots in Pittsburgh. The workbooks can be used as guides for other such projects.

DOE and Carnegie-Mellon University, Pittsburgh, also produced a caretaking workbook for home owners and renters. The suggestions involve some changes in the occupants' ways of living and using energy, but the results are thermal comfort while saving money.

Jones, Loss and Hagen supervised the monitoring of the energy usage of four of the new Manchester Demonstration Project units over a year while they were occupied. The new housing had the potential to require only 2.3-2.6 Btus per square foot per degree day, which translates into about $150 per year in energy costs. In actuality, they found the units used 3-4 Btus per square foot per degree day, or $400 per year, the result of the occupants' living habits, such as setting the thermostat on 79° and always keeping some windows open for "fresh air."

Conceived by Carnegie Mellon University with a Manchester neighborhood association, the project is located on Sheffield Street in Pittsburgh's Manchester neighborhood, which is listed on the National Register of Historic Places. "One hundred years ago, that was where to live in Pittsburgh," says Jones. "But the rich people moved to newer areas, and the poor people were left with old, leaky houses they can't afford to heat, in a dying part of the city."

Before moving into the project, Manchester families were spending up to 70% of their incomes after taxes, mortage and insurance on energy — without being warm and increasingly relying on governmental fuel subsidies. Households within the project now only spend between 6-12% of their disposable income for energy.

The project proves that rehabilitation of inner-city neighborhoods to achieve energy conservation is cost-effective and economically sound. By decreasing the energy demand of low-income households, such a project is an alternative to escalating fuel subsidies.

To reduce household energy demand, the design workbook recommends three features. First, houses and apartments should be attached to save the occupants 20-25% of their heating bills because of the shared walls between units. Second, the insulation and sealing of the joints in the house must be specified; for Northeastern cities, R-25 insulation in the walls and R-35 in the roof should be used, as should double-glazed thermal windows. The third design recommendation is to move the main living spaces and the majority of windows to the south of the house; this reduces home heating demand by 10-15%, while creating a bright, airy floor plan.

The workbook for contractors also contains three main recommendations. First and foremost, the insulation of the building must be complete: no batts of insulation should be forgotten, no openings should be left uninsulated nor should hard-to-reach places, such as the ends of attic joists, not be insulated.

The second recommendation is to add a continuous air-vapor barrier of polyethelene on the room side of the insulation. Without an air-vapor barrier, outside air can enter the rooms, resulting in a 30-50% heat loss, and as the inside air exits through the walls, moisture within it can condense, ruining the insulation and wood structure. Finally, a continuous wind barrier, in the form of rigid insulation, should be added before the exterior cladding.

To receive the full benefit of living in a solar home, the occupants were advised in their workbook to use the south-facing rooms during the day, so they could use the sun's free energy, and to keep the doors closed to the colder, unused rooms on the north side. Families were also advised to purchase the most energy-efficient appliances. — Marsha Belford

Investigating Injury, Part II:

By Assault and on the Road

The Injury Prevention and Analysis Group (IPAG) in the Department of Applied Science conducts epidemiologic studies of injuries, with a special focus on nonfatal injuries. IPAG is headed by Epidemiologist Jerome Barancik. He is assisted by Caroline Kramer, who is primarily responsible for field research activities, and by Joseph Schaedler, who handles computer systems. Henry Thode contributes to statistical analysis. The first part of this series discussed how IPAG is helping the Department of Energy's (DOE) Office of Health and Environmental Research and Office of Operational Safety answer the question, "Can most occupational injuries be prevented?" This part looks at two other questions IPAG is addressing:

How effective is the New York State seat belt law at preventing vehicular injuries?

What are the chances that someone will be injured during an assault?

For answers to the latter question, most people might turn to official reports by law enforcement agencies. But according to Jerome Barancik, that could be a mistake. As principal investigator for the Northeastern Ohio Trauma Study (NEOTS), Barancik has learned that law enforcement agency reports do not necessarily give an accurate representation of the nonfatal injuries incurred either during an assault or in vehicular traffic collisions.

Data for NEOTS were collected from 41 of 42 hospital emergency rooms in five counties covering 2,014 square miles. The regional population, estimated at 2.2 million in the study year 1977, lived in both rural and urban areas.

Discrepancies in Reporting

From these data, several major epidemiologic analyses have been published. One of those, released early in 1985, was "Discrepancies in Vehicular Crash Injury Reporting." As the abstract reveals, "People injured in motor vehicle traffic crashes were identified from a population-representative incidence sample of hospital emergency department visits. Matched police reports of crashes were sought in official state records of motor vehicle traffic crashes. Of the emergency department cases, 55% had matched police reports."

Though these findings were by no means an indictment of accident reporting methods in Ohio, they do point out that, insofar as nonfatal injuries are concerned, for such reasons as lack of notification or limited resources, police reports may not be complete.

Assaults: Incidents and Outcomes

This was underscored by the conclusions for the fifth part of NEOTS,

(Continued on page 2)

For the Record

This past week, employees may have heard ads on local radio and TV stations asserting the safety of the Shoreham Nuclear Plant. These ads feature Brookhaven scientists who belong to an organization called "Citizens for Shoreham Electricity," some of whom have also authored the publication "Shoreham Safety Report."

Because the name of the Laboratory is prominently mentioned, many employees have received the impression that the ads speak for BNL. I would like to point out that these scientists are expressing their views as private citizens, as they have every right to do, but they are not speaking as representatives of the Laboratory, nor is the report an official BNL report. Laboratory employees are, of course, free to speak out where and when they please, but it should be made unequivocally clear that they speak as individuals and not for BNL.

Nicholas P. Samios

Nicholas P. Samios
Director

New Directions in Security

World events in recent years have caused people to pause and re-think security procedures, says Edmund Wojcicki, manager of the Safeguards and Security Division. "Besides providing a service to the general population," he adds, "we must also meet a contractual obligation to DOE to adequately protect government property." In response to these concerns, the division has grown in scope and size as Wojcicki has beefed up some functions and added others.

New personnel in the division reflect those changes. A newcomer to the division is John Hunt, who is in charge of the Technical Security Planning and Audit Section. Hunt came from Los Alamos, where he was the administrative assistant to the director of security there.

The Security group will oversee such functions as document control, computer security, construction techniques for on-site buildings that must be secured, and intelligence. As to the general operation of the Lab, Wojcicki says restrictions will be placed on people who work in certain areas, but most of the Lab population will not be inconvenienced.

Also new to the division is Harold Justice, who came this month to take over as chief of the Police Group. Chief Justice has 20 years of experience in police work and retired from the Los Angeles police force with the rank of captain. The BNL Police Group has grown in size because of new manpower requirements, says Wojcicki, and "we'll have the benefit of his experience to make the police group more viable."

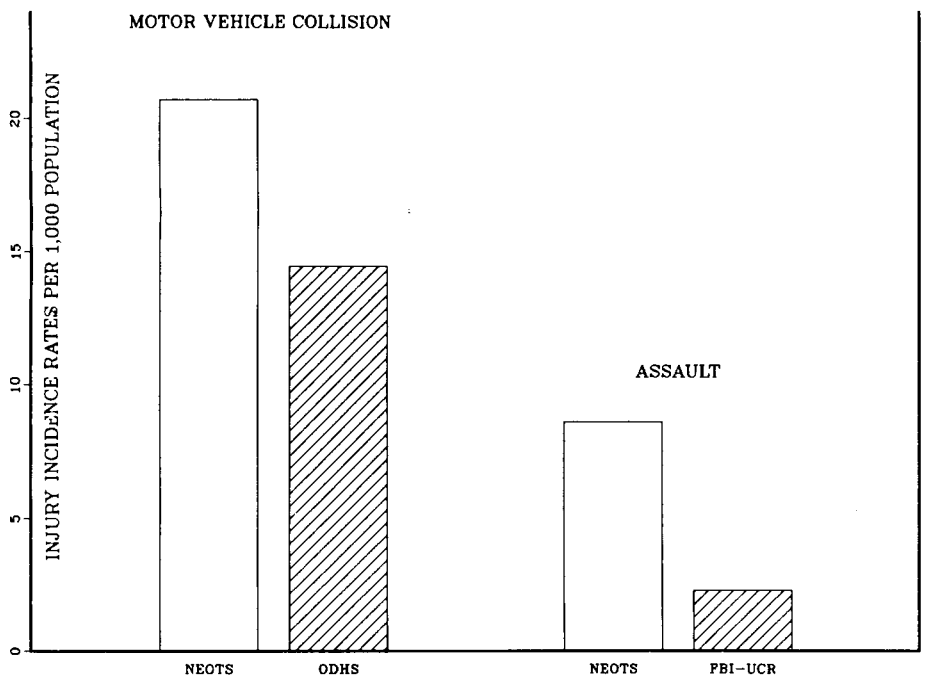
At the same time, training of that group has become even more vital. New in the job is Stephen Tyler, who came from the Army's Fort Bliss, where he was chief of operations. His duties there, as well as in previous assignments in Germany, included training and evaluation of military personnel for the security of nuclear sites.

Although Tyler has been devoting his time to training the police group, the long-range plan also calls for refresher training of Lab personnel who have security clearances and also training of new employees to make them aware of general security procedures at the Lab.

Security is a continuing process of evaluation, based on the environment, notes Wojcicki. "I'm not saying that security at the Lab will continue in an upward spiral," he states. "At some point, we may find that we need to back down and change direction. What's important is to continually reevaluate what we are doing in response to the climate around us."

Wojcicki sees his job as making sure the Safeguards and Security Division is active, anticipating requirements. "That gives us the ability to respond to any contingency."

He adds, "I'd rather spend a dollar now and never have to use it than save that dollar and be sorry. Let's buy that extra ounce of protection now."



Discrepancies between official reports by law enforcement agencies and the data collected from hospital emergency rooms for the Northeastern Ohio Trauma Study (NEOTS) are illustrated here. While NEOTS shows motor vehicle collision injuries occurring at a rate of about 21 per 1,000 resident population, the Ohio Department of Highway Safety (ODHS) indicates only about 15 per 1,000. Similarly, for assaultive injuries NEOTS shows an incidence rate of nearly 9 per 1,000, while the FBI's Uniform Crime Reports indicate only about 2 per 1,000.

Injury

(Cont'd)

which Barancik made public last November, at two separate meetings. Sponsored by the National Institute of Mental Health, this research deals with the nonfatal assaultive injuries identified by NEOTS.

At a meeting of the American Society of Criminology, Barancik discussed "Hospital and Police Reporting of Nonfatal Assaultive Injury in Northeastern Ohio." The report indicated that IPAG has found "a major discrepancy" between hospital emergency room records and the numbers of documented new cases of nonfatal assault reported by the police to the FBI through uniform crime reports, for the same area. As explained in the paper, "The assaultive injury occurrence rate [based on hospital data] for all ages, 8.6 per 1,000 population, was nearly four times higher than the official 1977 rate [for aggravated assault]." Barancik emphasizes that these figures are conservative, because medical and legal definitions of assault differ.

This violence was summarized in the population-based study "Nonfatal Assaultive Injury and Homicide," which Barancik, Kramer and Thode reported on last November at the annual meeting of the American Public Health Association. Among the important findings gleaned from the NEOTS data were:

- assaultive injury incidence rates were the same for whites and non-whites in groups with average incomes below $7,500 a year.
- assaultive injury incidence rates dropped off for all groups as income increased.
- once an assaultive injury did occur, the lethality factor (deaths divided by all injuries) was significantly higher for non-whites and men; i.e., although the incidence rates were similar, outcomes differed by race and sex.

To answer some of the questions these results pose, IPAG expects to continue to look at these data. In the meantime, as the paper suggests, "These findings point to the importance of considering socioeconomic factors concurrently with such factors as age, sex, and race, when developing public health policies and programs for the prevention and control of assaultive violence." And both reports, says Barancik, "show that there is a need to do more monitoring through hospital systems, to measure the occurrence and impact of assaultive violence."

Looking at Buckling Up

Evaluating the efficacy of the New York State (NYS) seat belt law is the purpose of another IPAG study. Jointly funded by the National Highway Traffic Safety Administration and the NYS Governor's Traffic Safety Committee, this effort will focus on nonfatal injury incidence and outcome. IPAG is conducting the study in collaboration with the State University of New York at Stony Brook's School of Medicine, where Barancik is an associate professor and directs the Injury Epidemiology Program in the Department of Community and Preventive Medicine.

Using the identical protocols and quality control procedures developed for NEOTS, IPAG will collect and examine data regarding nonfatal motor vehicle injuries in Suffolk County over a three-year period. Why three years, when the law has been in effect for only one? "We'll look at 1983 as a period before there was publicity about an upcoming law," explains Barancik. "Then 1984 was the transitional year; did publicity about the future law encourage people to wear seat belts? And 1985 was the first year that the law was in effect."

The University of Rochester School of Medicine will provide supplementary data on hospital admissions from upstate Monroe County. The State Department of Health from Rhode Island, which has no seat belt law, will provide control data.

Though it may be some time before they answer all the questions posed at the outset of this series, IPAG's investigations of nonfatal injuries and their relationships to fatal injuries will certainly lead to better understanding of the causes and prevention of occupational injuries in the Department of Energy system; of the rates, reporting and outcomes of assaultive incidents; and of the efficacy of New York State's seat belt law. — Anita Cohen

Tune In!

Q: *By now everyone has been made well aware of the dangers of smoking cigarettes. Being a smoker who has tried to quit several times, I know that smokers understand how difficult it can be to quit. There are a growing number of stop-smoking clinics that seem to have success in getting people to kick the habit. My question is: Does our health insurance at the Lab cover any of the stop-smoking clinics? If not, why not? Also, if they are not covered under our insurance, can a stop-smoking clinic be held at the Lab for those employees who would like to stop but need a little help?*

A: Although just about everyone these days is aware of the dangers of smoking, it is one of the most difficult habits to break. On the average, it has been estimated that smokers try quitting five times before they actually succeed. Hypnotherapy, behavior modification, individual and group counselling, clinics of various types and just plain "cold turkey" are some of the techniques smokers have used to finally win the battle. As with any change in behavior, peer and family support can help ease the lonely, stressful moments and provide the encouragement to hang in.

Unfortunately, Connecticut General, the Lab's health insurance provider, does not reimburse employees for participation in smoking cessation programs, nor for other preventive services. According to Richard Schonberg, Deputy Manager, Personnel and Labor Relations, "The AUI medical insurance plan, like most medical insurance plans, only covers expenses for services recommended by a physician that are essential for the necessary care and treatment of an injury, sickness or pregnancy."

The Community Health Plan of Suffolk, the health maintenance organization alternative to Connecticut General health insurance, offers the American Lung Association stop-smoking workshop several times a year to its members and non-members for a fee of $35 per person.

I agree with you that reimbursement for smoking cessation programs would be a great benefit to the Laboratory; perhaps some day it will be available. But for the meantime, the good news is that an American Lung Association stop-smoking clinic will be made available on site to employees on a cost-sharing basis.

— Elaine Friedman
Health Promotion Specialist

The American Lung Association of Nassau-Suffolk will be bring its six-session Freedom From Smoking workshop to BNL. A free orientation and registration for the stop-smoking workshop will take place on Tuesday, February 11, from noon to 1 p.m. in Berkner Auditorium.

The six dates for the Freedom From Smoking workshop are: Tuesday, February 25; Tuesday, March 4; Tuesday, March 11; Thursday, March 13; Tuesday, March 18; and Tuesday, March 25. The sessions will run from 5:15 to 6:30 p.m. in Berkner Hall. Those who sign up must be committed to attending all six sessions.

Registration costs $35: employees will pay $10, in checks made payable to the American Lung Association of Nassau-Suffolk, and to encourage participation, the Laboratory will pay the balance of $25 per person. Enrollment is limited to 40 employees on a first-come-first-served basis. After the orientation meeting and if space is still available, Health Promotion Specialist Elaine Friedman, who organized this program, will accept registrations from employees who were unable to attend; mail them to her at the Medical Department, Bldg. 490.

The American Lung Association stop-smoking workshop is based on the premise that smoking is a learned habit and that quitting involves unlearning the automatic behavior of smoking and substituting new, healthy alternatives. The workshop offers a step-by-step plan to quitting smoking, and introduces different tactics to help smokers gain control over their behavior. This makes kicking the habit less stressful and more systematic.

Over the six sessions, participants will be asked to identify situations that usually would trigger lighting up and to discuss these and other problems with the group. They will learn relaxation techniques, and discuss exercise and ways to avoid gaining weight. By the third session, smokers are expected to be off cigarettes, and staying off cigarettes will be the focus of the remaining sessions.

The American Lung Association spent five years developing and testing this program across the country. In those tests, 80-90% of smokers who attended the clinic quit smoking during the clinic. A year after the workshop, one in five had not smoked at all since its end, and about one in three had not smoked during the previous month.

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Equipment Demo

Edwards High Vacuum representatives will be at Berkner Hall on Thursday, February 13, from 9:30 a.m. to 2:00 p.m., to exhibit turbomolecular pumps. On display will be the STP300 'Maglev' turbomolecular pump; it produces a clean, high vacuum free of hydrocarbon contaminants because it has frictionless magnetic bearings that require no lubrication. This design feature also provides low noise and vibration: less than 0.05 μm peak-to-peak.

The ETP80 turbomolecular pump and E2MI rotary vacuum pump system will also be on display.

If anyone would like to see other equipment produced by Edwards High Vacuum at this exhibit, call Tom Dobmeier at (716) 773-7552 in advance.

Arrivals & Departures

Arrivals

Giuliano DeGrassi ..... DNE
Harold L. Justice .... Sfgds. & Security
Edward G. Samsel ..... Chemistry
Ram B. Sharma ..... Chemistry

Departures

None

Coming Up

Hobart Kraner, Senior Physicist in Instrumentation, will deliver the next Brookhaven Lecture on Wednesday, February 19 at 4:30 p.m. in Berkner Hall. Kraner's topic will be "Semiconductor Detectors Revisited."

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Manning Marable, syndicated political columnist, will give a talk at Berkner Hall on February 20 at 6 p.m. He will speak on "Who Profits from Apartheid?" His lecture is sponsored by the Afro-American Culture Club in celebration of Black History Month and is open to the public.

Cafeteria Menu

Week of February 10

Monday, February 10

Chicken noodle soup	(cup)	.65
	(bowl)	.85
Corned beef brisket & cabbage		2.45
Chili relleno casserole w/1 veg.		2.45
Hot Deli: Veal patty Parmesan hero		2.45

To commemorate Black History Month, the cafeteria will present a special buffet every Monday in February.

Tuesday, February 11

Cream of califlower soup	(cup)	.65
	(bowl)	.85
Braised chicken livers Marsala w/1 veg.		2.45
Seafood stir fry w/rice		2.45
Hot Deli: Chicken cutlet patty Parmesan hero		2.45

Wednesday, February 12

Cream of chunky vegetable soup	(cup)	.65
	(bowl)	.85
Baked Italian lasagna w/garlic bread		2.45
BBQ spareribs w/choice of 1 veg.		2.65
Hot Deli: Baked ham	(bread)	2.25
	(roll)	2.40

Thursday, February 13

Cream of tomato soup	(cup)	.65
	(bowl)	.85
Pepper steak over white rice		2.45
Ham steak Hawaiian w/choice of 1 veg.		2.45
Hot Deli: BBQ pork sandwich	(bread)	2.25
	(roll)	2.45

Friday, February 14

Boston clam chowder	(cup)	.65
	(bowl)	.85
Southern chicken and dumplings		2.45
Fettucini carbonara w/choice of 1 veg.		2.45
Hot Deli: Top round of beef	(bread)	2.25
	(roll)	2.40

On Valentine's Day, we will give away a 2-pound box of candy.

Cooking Exchange

On Wednesday, February 12, members of the International Cooking Exchange will demonstrate some British recipes, including scones, Scotch eggs, Cornish pasty and syllabub.

Cooking Exchange meetings are held in the Recreation Building on the second and fourth Wednesday of each month from 12:30 to 2:30 p.m. Meetings are open to employees and their immediate family members. A $1.25 donation entitles those present to a copy of the day's recipes, samples of the prepared dishes and coffee or tea. Babysitting is provided at .50 per child.

Call Susan Sears, 744-7831, or Sara Morse, 286-1712, for more information.

Swimming Pool

Evening hours at the pool on Wednesday, February 12, will be 5 to 7 p.m. The normal schedule will resume on Thursday, February 13.

Peter Horton

Spring term got under way on January 20 for seven BNL Semester Students: (front, from left) Joy LeDoux, Jackson State University; Marza Smith, York College; Leslie Reynolds, Hampton University; Betty Logan, Alcorn State University; (back, from left) Harrison Mitchell, York College; Andrea Walker, Hampton University; and Kevin Strickland, Jackson State University. In the morning, they are taking three courses: "Biochemistry," taught by Larisa Rudenko; "Microbiology," instructed by James Vaughn; and "Topics in Physical Chemistry," taught by Ralph Weston and colleagues. Afternoons, the students are working with researchers in the Department of Applied Science and in the Medical Department. The 35th semester of the Brookhaven Semester Program ends on May 2. It was begun in 1968 to encourage black students to enter scientific fields by giving them hands-on research experience.

HMO Enrollment Open

The Laboratory is offering eligible employees the annual option of enrolling in the Blue Cross/Blue Shield Community Health Plan of Suffolk Inc., as an alternative to coverage under the AUI Group Medical Insurance Plan. The deadline for enrollment in the Blue Cross/Blue Shield Plan is February 28, with coverage effective March 1, 1986, through February 28, 1987.

It is AUI's policy to subsidize the cost of this plan (a New York State certified Health Maintenance Organization (HMO) plan), by paying the same premium amount it currently pays for AUI Medical Insurance.

Based on the current rates paid by the Laboratory for the AUI Medical Insurance Plan, there will be no charge for employees who enroll in the HMO Plan at this time, unless they are covered by the AUI Dental Assistance Plan. Employees who enroll in the HMO Plan and also are covered by the AUI Dental Assistance Plan will be charged a monthly amount of $2.08 for individual and $5.20 for family coverage. This charge is to offset the difference in cost between the $100 and $200 a year deductible coverage in the AUI Medical Insurance Plan, and agreed to by employees who enrolled in the Dental Plan.

Blue Cross/Blue Shield will send membership application forms and literature describing the HMO medical program to the home addresses of all BNL employees.

A representative of the Blue Cross and Blue Shield Health Maintenance Organization will be at Berkner Hall on Tuesday, February 11, and Wednesday, February 19, between 11:30 a.m. and 1:30 p.m. to answer any employee questions about the HMO Plan.

Employees who are interested in this plan are encouraged to visit the facility at 3001 Express Drive North, Hauppauge, at the intersection of the LIE, Exit 57, and Veterans Highway. An open house date for BNL employees has been scheduled for Wednesday, February 12 at 7:30 p.m.

Employees who wish to enroll in the HMO Plan must send their completed application forms to Personnel Services, Bldg. 185. For any further information, call Ext. 2877.

Singles Club

The next meeting will be held on Tuesday, February 11, in Berkner Hall lobby from 12:20 to 12:40 p.m. Membership renewals are due by the end of February. For those who join the club during February, the membership fee of $3 will be deducted from the first club-sponsored trip you take.

There are still openings for the February Mount Snow ski trip. Full payment is required at time of reservation. Our final ski trip in March to Mount Brodie is being quickly filled. Send your $40 deposit immediately. Call Doris Terry, Ext. 2228.

Bowling

Red/Green League

High games were bowled by E. Sperry IV 248/201/618 scratch series, H. Arnesen 241, J. Muller 221, J. Ferrante 204, E. Sperry 200, T. Prach 200.

White League

Dick Adams rolled a 212, Jim Vogel 206, Ed Sperry IV 204/200, Jim Petro 199, Karen Vogel 173. Kay Conkling converted the 6/7/10 split.

Purple League

Rich Larsen rolled a 244, Gene Fales 208, Lee Barberich 207, Ed Meier 202, Clem Auguste 200, Sharon Smith 186/170, Mary Grace Meier 178/178/, Millie Connelly 176, Pat Oster 172.

Volleyball

	W-L
League I	
Dinkers	29-3
Up Fagrabs	22-10
Bumpers	15-17
X-Rayted	14-18
Net Results	10-22
TNT	6-26
League II	
Nuts & Bolts	19-13
Fossils	17-15
Cannonballs	14-18
Chungas Revenge	11-21
Upton-Ups	3-29
League III	
Printouts	25-11
Screwballs	20-16
Buddys	19-17
Foul-Ups II	19-17
Light 'n Lively	14-22
Couples	11-25

Fly Tying

The club meets every Tuesday at 6:30 p.m. to tie fly and swap fish stories. For information, call Kurt Jellett, Ext. 4698.

Motorcycle Club

There will be a meeting on Monday, February 10, in the Recreation Building at 5:15 p.m.

Swim Club

At the Annual Groundhog Day Masters Swimming Meet at the Westport YMCA, Peter Heotis won the 50-yard butterfly of men 35-39, came in third overall in that event and set a personal masters record of 27.90. The BNL Swim Team earned two other top-three finishes and won nine other age-group ribbons at their fourth meet of the indoor season.

Heotis swam the 100-yard butterfly in 1:04.17 for a third place in his age group, and in the 100-yard freestyle, he touched in 57.57 for an age-group second place.

Laurie Hastings headed the ribbon count by earning two reds and two yellows. In the 200-yard breaststroke, she was the second place woman overall and second of women 30-34 in 3:26.80. In the 100-yard breaststroke, Hastings also earned an age-group second by swimming a 1:35.40, and in the 50-yard breaststroke, she placed third of women her age in 44.52. She set two personal records: 1:19.40 in the 100-yard freestyle for an age-group sixth and 1:29.95 in the 100-yard individual medley for an age-group third.

Wlodek Guryn also had a top-three overall placing: in the 50-yard breaststroke, he placed third overall and second among men 35-39 with a time of 35.09. He completed the 100-yard fly in 1:11.70, placing seventh among men his age. Guryn finished the 100-yard individual medley in 1:08.80, fourth in his age group. Marsha Belford earned a second in the 50-yard breaststroke among women 25-29 in 44.49, a third in her age-group in the 100-yard individual medley in 1:27.20, an age-group fourth in the 50-yard backstroke in 41.97, and a fifth among women her age in the 50-yard butterfly in 38.52.

Basketball

Game 1

Runaways — 79		**Coasters — 71**	
G. Shephard	2	R. Doty	20
T. James	8	M. Williams	17
G. Smith	6	P. Ratzke	8
R. Moran	27	R. Rowley	2
J. Ripka	14	L. Lawrence	9
J. Desmond	22	B. Allen	15

Game 2

Hollywood — 62		**Longshots — 44**	
G. Mack	13	L. James	1
D. Nordstrum	18	J. Garrison	4
B. Gunther	4	R. Seymore	7
R. Domenech	14	L. Walcott	8
B. Jasper	3	G. Griggs	9
K. Rogers	2	M. Colon	13
D. Hall	8	S. Anderson	2

Travel Note

Did you fly to the United Kingdom via TWA, PAN AM or British Airways between March 1, 1982 and March 31, 1984? If so, you or BNL may be eligible for savings on a future trip to the United Kingdom. The claim form, together with proof of travel, must be postmarked no later than February 16, 1986. Contact the Travel Office for the form, and any further information.

Classified Advertisements

Autos & Auto Supplies

75 TORINO WAGON - a/t, p/s, p/b, a/c, new tires, recent alternator, battery, $900. Ext. 2591.

80 OLDS OMEGA - 4 dr. sedan, 4 cyl., p/s, a/t, 8,500 mi., $1,500. Randy, 751-2634 after 6 p.m.

69 NOVA - a/t, a/c, p/s, p/b, a/m radio, good tires, many major new parts, $100. Ted, Ext. 2101.

78 DATSUN 510 - station wagon, 4 spd., manual trans., a/c, excel. running cond., $1,800. Lew, Ext. 5193.

74 DODGE DART - a/t, p/s, a/c, (4) new tires, snows, (6) wheels, excel. inter., uses oil, best offer. Ext. 3757.

81 DODGE OMNI - 60k mi., a/c, a/t, $1,750. 363-7032.

71 PLYMOUTH DUSTER - good for parts, new exhaust, 6 cyl., standard, best offer. Don, 924-3946.

74 DUSTER - a/t, p/s, new starter, snow tires, r/w defogger, $675. Dave, Ext. 4360 or 269-5319.

TIRES - (2) A-78-13, (1) A-78-14 with rim, good for spares, (1) A-78-13 snow, excel. cond. Janet, Ext. 2345 or 929-8152.

TIRES/RIMS - (4) P235/75R15 on 15" 6 lug rims (Chevy truck), $95. Ron, Ext. 4082 or 289-1003.

71 CHEVY IMPALA - 2 dr., high mi., good transp., $350. 286-2093 after 6 p.m.

82 MONTE CARLO - V6, a/t, a/c, am/fm cassette, 53k mi., $5,500; 1978 Camaro Z28, a/t, a/c, am/fm stereo cassette, $3,500. 878-6528.

78 CHEVY EL CAMINO - 350, a/t, p/s, p/b, new tires, very clean, $2,500. 744-9776.

85 BUICK REGAL LIMITED - p/s, p/b, a/c, p/w, p/l, tilt, cruise, 9,500 mi., $12,000. Maryanne, 736-7260.

82 MAZDA 626 - 4 dr., am/fm, a/c, a/t, 50k mi., excel. cond. Ext. 3067.

77 CHEVY CAPRICE CLASSIC - body/int. excel., 4 dr., 305, needs cam, a/c, p/s. Ext. 3605.

70 MUSTANG - runs well, new trans., needs body work, best offer. Jamie, 727-8100 weekdays.

78 T-BIRD - a/c, stereo, full power, new batt., tires, brakes, muffler system. Ext. 2441.

74 TORINO - 75k mi., a/t, p/s, p/b, 4 dr., am/fm cass., recent tires, brakes, water pump, batt., $950. 281-0360 after 6 p.m.

69 OLDS DELTA 88 - 68k mi., 4 dr., reliable transp., body fair, clean. Frank, 473-3460.

80 MAZDA GLC - hatchback, 2 dr., 4 spd., many new parts, 96k mi., runs well, $990. Ext. 3606.

74 AMC HORNET - V8, a/c, 78k mi., very good cond., $600. Willie, Ext. 4489 or 585-6271.

72 CORVETTE - good cond., make offer. Bob, Ext. 4672.

74 PLYMOUTH - new batt., excel. tires incl. snows, runs well, $650. Michael, Ext. 4707 or 4494.

78 SUZUKI GS1000E - black & chrome, 23k mi., excel. cond., $1,100. Ext. 4027 or 286-1121.

75 VW BEETLE - good cond., good heat, $650. 589-5490.

78 FORD FAIRMONT - avail. late Feb., $1,950; '79 Plymouth Horizon, $1,900. Ext. 3755.

73 CADILLAC COUPE DEVILLE - all power, good cond., $795. Frank, Ext. 2022 or 399-4480.

67 CHRYSLER CONVERTIBLE - new top, p/s, p/b, p/w, a/t, 383 V8. Tony, 698-9274.

75 FORD LTD - 4 dr., a/t, a/c, p/s, p/b, am/fm, mech. good, excel. body, $1,200; '75 Dodge Dart, 2 dr., p/s, p/b, am/fm cass., 85k mi., $600, neg. 286-0601 or 698-0576.

TRANSMISSIONS - 3 spd. Chevy, 4 spd. Pinto; chassis parts; 3/4 ton '68 Chevy pickup. John, Ext. 2172 or 744-4386.

78 MUSTANG - a/t, 4 cyl., rebuilt eng., am/fm cass., 82k mi., runs well, $1,300. Maria, Ext. 4570.

81 CHEVY CITATION - 4 spd., 4 dr., new clutch, $2,450; '81 Mercury Lynx, 4 spd., excel. running, excel. int., $1,850. 724-7354.

79 DATSUN PICKUP - body in good cond., thrown rod, make offer. Ext. 4867 or 472-1302.

81 FORD ESCORT - a/t, a/c, good cond., $3,000. Vic, Ext. 2173.

RIMS - excel. for snow tires, 14" for Chrysler, Plymouth, Dodge & 15" for Ford, $10 ea. Frank C., Ext. 4584.

85 VW RABBIT - for parts, best offer, you tow. Pat, Ext. 4255.

69 PONTIAC LEMANS - 350 V8, a/t, 2 dr. sport, red/white, new batt., tires, runs well, $750. 744-3792.

70 NOVA - candy apple red, a/t, new brakes, exhaust, paint & batt., $900 neg. 331-2646 after 6 p.m.

72 MUSTANG - 302 c.i.d., a/t, no reverse, high mi., $250. 331-9887.

73 FORD F250 TRUCK - 4 spd., am/fm stereo cass., 25k mi. on eng. & clutch, good tires, extras, $2,000. Ralph, 732-9618.

76 BUICK SKYLARK - a/c, (2) new tires, new batt., V6, good cond., $1,100. 567-3655 eves.

68 FORD WAGON - runs well, $400. Ext. 4312.

74 DATSUN 610 - new steel radials, am/fm cass., Die Hard batt., new alt., $650. Ext. 5288 or 878-8177.

81 FORD ESCORT L - station wagon, 4 spd., am/fm cass., sunroof, mint cond. 751-7408 after 3 p.m.

80 CITATION - 4 dr., 6 cyl., hatchback, 49k mi., a/c, f.w. drive,, a/t, $2,700. 667-8980.

76 CHEVY LUV TRUCK - 4 cyl., 40k mi., am/fm cass., tool boxes, new clutch, new exhaust. 563-2751.

80 MERCURY CAPRI - 4 cyl., a/t, p/s, a/c, am/fm, 48k mi., excel. cond., $3,850. Barry, Ext. 5624 or 727-5956 eves.

82 MAZDA 626 - luxury 2 dr. sedan, mint cond., p/s, p/b, 29k mi., mag wheels, am/fm cass., a/c, 5 spd., $6,500. Ext. 3007 or 924-9041 eves.

76 FORD VAN - a/t, p/s, p/b, candy apple red, mag wheels, sunroof, refrig., toilet, stereo cass., excel. cond. Ray, Ext. 3536 or 289-7615.

73 VW SQUAREBACK - 4 spd., reliable, $725. Ext. 4463 or 2400 or 751-2422.

70 BUICK - all power, excel. transp., am/fm, a/c, new tires, $250. Jeanne, Ext. 2438 or 286-1290 eves.

74 SUBURBAN - 350 V8, 4 spd., class 3 trailer hitch, runs well, 78k mi., $1,000 neg. Mike, Ext. 4605 or 281-5456.

74 CAPRI - 4 spd., rebuilt eng., snows, $700. Nancy or Bill, 585-2563 after 5 p.m.

Boats & Marine Supplies

20' FRIENDSHIP SLOOP - good cond. Ext. 7225 or 929-6748.

Miscellaneous

IBM MONOCHROME MONITORS - (2), new, $100 ea., or best offer. Doug, Ext. 7521 or 732-7634.

LOTUS BICYCLE - 12 spd., campy rear, excel. cond., rarely used, $350. Ext. 2175.

SKI PANTS - mens, 34-R, dk. blue wool poly stretch, never worn, $75. Ext. 4727.

B/W TV - $20; baby stroller, $5; steam iron, $15. Ext. 3963 or 928-0516 after 6 p.m.

KITCHEN SET - Butcher block type table, (4) swivel chairs, (6) mo. old, $250; hanging rain lamp, $50. Ray, 289-0883.

HOSPITAL BED - full elec., excel. cond., $300. Rich, 744-8910 after 5:30 p.m.

CALCULATOR - Smith Corona, 800 model, desk top, like new, $25. Cheryll, Ext. 7716.

WORK BENCH - 5 drawer, Sears Craftsman, brand new, still in box, $75; rubber work boots, steel toe, size 7, new, unused, $10. Tony, Ext. 3194.

ENCYCLOPEDIA - complete set, reasonable price. Ext. 2888 or 286-0422 eves.

SKIS - 170" Hart Turbo, Solomin 337 bindings, Lange boots, size 10-1/2, like new, $200. 588-6417.

REFRIGERATOR - Amana, frost-free, avocado, 5 yrs. old., like new, needs part, $200; 55 gal. kerosene drum, $10. Linda, Ext. 5141.

ANTIQUE SOFA - nicely carved Louis V style, immaculate, off-white damask upholstery, $1,500. 878-8072.

STEREO - Sanyo am/fm, built in cassette, turntable, (2) speakers, headphones, $100. 289-0413.

BEDROOM SET - 7 pieces, mint cond., $800. 361-9776 eves.

FIREWOOD - split, seasoned oak, 4'x16'x20-22" pieces, $110 delivered. 732-2849.

DINING ROOM SET - Amer. of Martinsville, (4) chairs, ext. table, large hutch, $950; king sized traditional bedroom set, (5) pieces with (2) mirrors, $750. Barbara, 472-2743.

INSIDE DOORS - assorted sizes, (3) large mirrors; 150 sq. ft. oak flooring; sheetrock; commode and basins; pool ladder. 325-0193 after 6 p.m.

SADDLE - 16", English, foward seat, incl. fittings, $125. Lois, Ext. 4904 or Jessica, 929-4753 eves.

DINETTE SET - smoked glass/chrome round pedestal table, (4) suede/chrome chairs from Germany, $550. 737-6697.

TUB - (2) wall kits, fiberglas, bone color, new, $100 ea.; (2) wood csmt. cellar windows 18x36, new, $20 ea. Ron, Ext. 4082 or 289-1003.

MEN'S JACKET - Aigner leather, size 44, like new, $100. Ext. 3293 or 736-5130.

MEN'S SKIS - 205 cm/200 cm, boots, size 10 med., ladies 185 cm, boots, size 8. 475-0509 after 6 p.m.

COOKBOOK - Weight Watchers Fast and Fabulous, $7. Ext. 5221.

PLAYPEN - like new, $10. Ext. 7505 or 689-8605.

DOG - Akita, male, 14 mos. old, needs running room. Mac, Ext. 4660 or 821-2515.

JET DEEP WELL PUMP - 3/4 HP, 3 yrs. old, glass lined tank, 3 mos. old, $100. 924-6751 eves.

BATHROOM SINK - 18"x20", beige ceramic, $20. Les, Ext. 2920.

BOY'S JACKET - size 14, Mighty Mac, new cond., $25; powder blue bib ski pants, size 5 jr., $8. Jim, Ext. 3372.

GENERATORS - (1) 5 KW, (2) 4 KW, brand new; transfer switches for elec. generators. J. Medina, Ext. 7636 or 654-3472.

MEXICAN HANDCRAFTS - blankets; 10 gal. fish tank; house plants; full size mattress. Ext. 3222 or 3755.

GREEN HOUSE - poly-type, 72'x100', boiler; whole-house heat & vent. sys.; sprinkler sys., heavy duty const., $3,000. Jim, Ext. 4040 or 289-0876.

COMPUTER MONITOR - RGB hi resolution, without case. Roy, Ext. 4664 or 212-691-4396.

LOVE SEAT - $65; couch/sleeper, $50; 17" Hitachi b&w TV, excel., $50. 286-2493.

HOCKEY SKATES - size 8, $5; canopy bed, $50; portable typewriter, $25; Maxell disks, ds/dd, $10 for 10. Jim, Ext. 3372.

ATTIC VENTILATOR - wind driven, (2) attic vents, $40; plate glass table top, 46" diam., $40. Ext. 3932.

KEROSENE DRUMS - (5), 55 gal., $5 ea.; Master tennis racquet, $25; Sears auto rot. grill, $20. 924-3236.

SANSUI STEREO - $900; movie camera, $75; fish tank, $60; alum. storm & screens. Mark, Ext. 5350.

FLOOR LAMP - 4-lights, brass, $5; am/fm car radio, $15; girl's skates, ice & roller, sizes 1 & 3, $4. Ext. 2432.

RACQUETBALL RACQUET - $10; child's record player, $10. Joe, Ext. 2898.

SKI BOOTS - Caber, men's size 12, $100, size 8-1/2, $60, both in good cond. Annamarie, Ext. 2382 or 473-9016.

FOLDING BED - $50. Rajiv, Ext. 5161 or 924-1460 eves.

YAMAHA SKIS - 190's with Tyrolia strap bindings. Dave, Ext. 7921.

IMPORTED GOOSE DOWN COMFORTERS - and wool mattress pads, wholesale prices. 549-0154.

OIL BURNER FLUE HEAT EXCHANGER - $30; tele autoconverter, new, 2x screw mount, $8. Susan, Ext. 4267.

COUNTRY STYLE SOFA - loveseat, ottoman, blue floral print, like new, $575. 543-4099 eves.

DIAMOND RINGS - .53 ct. solitaire, $1,100; .25 ct., $350; 6-diamond wedding band, $350. 286-3211.

SIAMESE KITTENS - w/gene for Balanise, 6 weeks old, chocolate point, also lilac & blue. Ramona, 928-3088.

COUCH - chair, rocker, ottoman, pine frames, coffee table, 3-sided tables, excel., $1,000. Ext. 2529.

FRANKLIN STOVE - Atlanta, sorks, black cast iron, (2) large brass knobs, good, $15. 588-7989.

FREEZER - Sears upright coldspot, 15.8 cu. ft., excel. cond., $250. Joan, 265-4811.

SPREADER - Buch 30, $70; 3 chests, maple finish, 24"x14"x34" high, $50. Clarence, Ext. 3257 or 567-6217 after 5 p.m.

SENTRY COMBINATION FLOOR SAFE - 12x16x 20 inside, excel. cond., $150. 475-3598.

REFRIGERATOR/FREEZER - large Westinghouse; and 30" Tappan range, matching almond (yellow), never used. Walter, Ext. 4605 or 364-0245.

SOHMER PIANO - upright, Mahogany, $800. Nancy or Bill, 585-2563 after 5 p.m.

Free

FURNITURE - couch and club chair, clean, needs covers, you pick up. Tallon, Ext. 4636 or 473-3987.

GARAGE DOOR TRACKS - two sets, good cond. Ext. 7505.

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 Rent

MASTIC PARK - small 1 bdrm. furnished apt., cable, suitable single, $325 plus elec., 2 mo. sec., ref. 281-7844.

FARMINGVILLE - 1 bdrm. apt., single, $500 incl. all util. & cable. 732-2141 before 1 p.m.

WHITE MOUNTAINS, NH - ski Loon, 3 bdrms., 2 baths, deluxe condo., f/p, color TV w/HBO, clubhouse, jacuzzi, 1/4 mi. slopes, free shuttle, easy drive I93, 3 nights, $385, weekly, $600. 914-232-4039.

N. PATCHOGUE - private 3 bdrm. apt. in home, kit., l/r, fenced yard, 15 min. to Lab, no pets, $750 plus 3/4 util. Carol, 289-3917.

CENTER MORICHES - 3-1/2 large rms., refrig., new carpet, priv. ent., no children/pets, 1 mo. sec., immed., $550 incl. all. 878-0480 eves.

BELLPORT - 1 family house, newly redecorated, 2 bdrms., l/r, eik, bath, no children/pets, avail. immed. 698-0576 after 9 a.m., or 286-2005 after 12 a.m.

YAPHANK - house on wooded 2 acres, 2 bdrms., eik, l/r, bsmt., 10 min. to Lab, $650 mo. John, Ext. 3675 or 924-3528.

HILTON HEAD, SC - 2 bdrm. condo., tennis, golf, may extras, winter rates, $300 week. 585-9149.

CATSKILLS - 3 bdrms., sleeping loft, fully equipped, near Hunter & Windham Mts., weekend or weekly rates. Judy or Kay, Ext. 3595 or Bea, Ext. 3642.

LAKE RONKONKOMA - 1 bdrm. cottage, min. to SUNY & Smithtown, 20 min. to Lab, $500 incl. elec. & water. 588-1889.

For Sale

COOPERSTOWN - 190 acres, adjoining state forest, $425 per acre. 363-7032.

BROOKHAVEN HAMLET - (12) prime acres, Fire Place Neck Rd., former nursery, trees & shrubs, estate surroundings, 12"-14" top soil, lg. barn, (2) 4" wells, terms. Jim, Ext. 4040 or 289-0876.

WADING RIVER - new contemp. cape, 3/4 wooded acre, l/r, d/r, eik, 3 bdrms., study, 2 baths, 2-car garage, porch, full bsmt., f/p, skylights, 6" walls, quality construction, $163,000. Ext. 7627.

STONYBROOK - comfortable ranch, 3 bdrms., l/r, d/r, eik, den, f/p, greenhouse window, in-ground pool, profess. landscaped, 1/3 acre, 2 baths, in-ground sprinkler sys., near SUNY, $165,000. 751-5794.

BROOKHAVEN - 4 bdrm. colonial, 2-1/2 baths, l/r, d/r, f/r, 2-car garage, w/w, secluded 2 acres, $249,000. 286-4973.

AQUEBOGUE - 3 bdrm. ranch, 1-1/2 baths, f/p, 1-1/2-car garage, all appl., 1/3 acre, bsmt., patio, town water, 20 min. to Lab. 722-4644.

SOUTHOLD - approx. 2/3 acre lot, near beaches & school, bird sanctuary directly behind property, surrounding area already established, $60,000. Ext. 3304.

VERO BEACH, FL - 2 bdrm. condo., 2 baths, Florida room, mint cond., many extras, golf course, $64,000. 698-5046 after 7 p.m.

SHOREHAM - 4 bdrm. colonial, 2 baths, l/r, f/p, large d/r, eik, den, screen porch, finished bsmt./rec. room, shed, 2-car garage, shy 2/3 acre, $164,900. Ext. 2066 or 744-1898.

Car Pools

EXIT 22/26 LIE - (2) drivers needed for pool, 8:30-5:00 p.m. Vladimir, Ext. 5261.

BELLPORT - (1) driver needed for existing pool. Ext. 2388 or 7929.

Lost & Found

FOUND - Honda car key, in parking lot east of Chemistry. Dick, Ext. 4329.

Wanted

PEOPLE - interested in attending support group meeting, for people with seizure disorders and their families, 2/5/86 at 8 p.m. 475-5448.

SLOT CARS - 1/4 and 1/32 scale, any make. Rich, Ext. 3260 or 727-1429.

HOUSE TO SIT - going away on vac. or business, will stay with your house. Ext. 3671 or 736-2131 eves.

HOUSE - reasonable rent, S. Country S.D., 2 plus bdrms., no agents. Bill, Ext. 2378.

HOUSE - or apt., to sit/rent in March (or earlier) to May, small family. Ext. 3031 or 3925.

HOUSEMATE - share 2 bdrm. house in Sound Beach, near water, quiet, patio, $240 plus. John, Ext. 2671 or 821-2585.

VIOLIN - 1/2 size, good cond. Tak, Ext. 3187 or 2823.

COMMODORE - 64 computer & tape recorder for 7th grader. Janet, Ext. 7604.

FLORAL PICK MACHINE - fishing spinning reel, Mitchel #488. Ext. 2050 or 475-2998.

METAL FILE CABINET - office size. 286-0542.

Services

*Services are listed as a courtesy to BNL employees. They are neither screened nor recommended by the **Bulletin**.*

MOTHER'S HELPER - babies & toddlers, play games, take walks. Laura, 11½ yrs. old, 744-1898 after 3 p.m.

BABYSITTER - reliable, during daytime, my on-site apt., Ext. 7230.

HOUSE PAINTING - interior only, beautiful workmanship, experienced, reliable, with references. Larry, Ext. 2089 or 473-9048 eves.

SHEETROCKING AND SPACKLING - free estimate, Kevin, 563-1189.

CHILD CARE - will care for your child, my home, Sound Beach Area. Dawn, 821-9789.

WORD PROCESSING SERVICE - Manuscripts, reports, mailings, theses, etc., reasonable rates, efficient. Chris, Ext. 2884 or 475-1706 after 3 p.m.

LICENSED ELECTRICIAN - reasonable rates, professional work. David, 924-7762 evenings and weekends.

BABYSITTER - my home, Shoreham, experienced, part-time or full-time. Amy 821-3373.

BABYSITTER - my home, Bellport, experienced, references. Maryanne, 286-2435.

GERMAN LESSONS - from native German language teacher, for adults & students, beginners & advanced. Ext. 4570 or 821-3240.

JEWELRY REPAIR - gold & silver. Don, Ext. 2319.

BRICKWORK - walks, patios, brick & sand, Belgium block, landscaping ties, custom decks. Tony, 698-9274.

PRECISION MACHINE SHOP - avail. for prototype & production work or auto & marine repairs. Bob, Ext. 4605 or 286-3280.

VIDEOTAPING - weddings, parties, sports events, transfer home movie films onto videocassette. Bob, Ext. 4605 or 286-3280.

Classified Ad Policy

Deadline is 4:30 p.m. Friday for publication Friday of the following week.

1. The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
2. All items for sale or rent must be the advertiser's property.
3. Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
4. Ads for the sale or trade of firearms will not be accepted.
5. Ads not carried because of space restrictions will be held for publication in the next issue.
6. Ads are run only once and must be resubmitted if they are to be repeated. One ad per person per week.
7. **Property for sale and rent cannot be accepted on this form. Special Real Estate Ad Forms are available at the office of the Brookhaven Bulletin, Building 134.**

☐ For Sale: Autos & Auto Supplies ☐ For Sale: Miscellaneous ☐ Lost & Found ☐ Free
☐ For Sale: Boats & Marine Supplies ☐ Car Pools ☐ Wanted ☐ _____

Please print your ad below in 15 words or less using one word per block. Include name and phone number to call.

Note: The following must be completed for your ad to appear.

NAME (Please Print) .....

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

Send to: Brookhaven Bulletin, Building 134 (Ext. 2345).