BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

Investigating Injury, Part I:

On the Job

Can most occupational injuries be prevented? 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?

A common bond among these questions is that each is under investigation by the Injury Prevention and Analysis Group (IPAG) in the Department of Applied Science. Formed about one year ago, IPAG conducts epidemiologic studies of injuries — with a special focus on nonfatal injuries — examining such things as their occurrence, distribution, severity, control and cost in a given population. IPAG, which is primarily funded by the U.S. Department of Energy (DOE), is headed by Epidemiologist Jerome Barancik. He is assisted by Caroline Kramer, whose primary responsibility is field research activities, and by Joseph Schaedler, who handles computer systems. Henry Thode contributes to statistical analysis.

Morbidity vs. Mortality

Trauma is the fourth leading cause of death in the U.S., for people of all ages, and motor vehicles are the leading cause of fatal injury, while falls are fourth. In terms of morbidity (nonfatal injury), however, they are reversed. Thus, Barancik says, "Mortality data cannot be used to predict morbidity with accuracy and reliability. But in the past, mortality data were the only type of data available to predict morbidity."

A major step toward correcting this deficiency, IPAG was a logical outgrowth of Barancik's involvement in epidemiologic studies of nonfatal injuries. Before coming to BNL in 1982, for example, he had been appointed principal investigator for the Northeastern Ohio Trauma Study (NEOTS), the first major population-based investigation of incidence and severity of nonfatal injuries in the U.S.

So far, the data collected for NEOTS have yielded reports on: the magnitude of the problem; injury rates by age, sex and cause; the incidence of fractures; discrepancies in vehicular crash injury reporting; occupational injuries; and motor vehicle injuries. In November, Barancik, Kramer and Thode made public IPAG's conclusions for another part of the study, which focuses on violence.

The techniques Barancik developed and demonstrated for the NEOTS study are also used in two other major undertakings with which IPAG is currently involved: an epidemiologic study of occupational injuries within DOE and DOE-contractor facilities, and a second epidemiologic study looking at vehicular injuries to evaluate the efficacy of the New York State seat belt law.

Occupational Injury

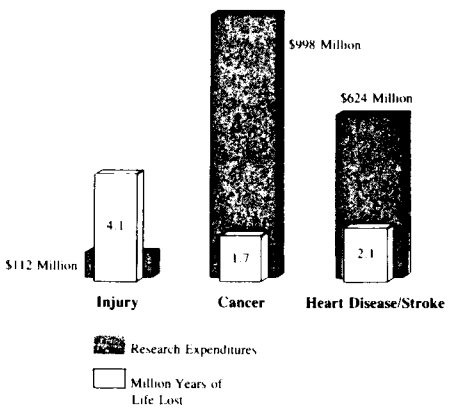
Most people worry that their productive years will be cut short by such chronic problems as cancer or heart disease. But the fact is that one's productivity is most likely to be lost through injury.

The seriousness of this situation was underscored when Congress directed the National Academy of Sciences (NAS) to review the entire injury problem in the United States. Released in 1985, the NAS report points out how little is known about injury in this country and calls for the gathering of basic epidemiologic information to correct the problem.

Barancik's project for examining nonfatal occupational injuries within the DOE system is consistent with the concerns addressed by the NAS report, as well as with national objectives for 1990 set by the U.S. Department of Health and Human Services. These suggest a need to measure incidence and outcome data in well defined worker populations. Accordingly, the IPAG project is designed to lead to a better understanding of the causes of occupational injuries, in order to reduce their occurrence or severity and the costs associated with them. This research is funded by DOE's Office of Health and Environmental Research and Office of Operational Safety.

Peter Horton

Discussing IPAG's many projects are: (from left) Alice Link, Caroline Kramer, Joseph Schaedler, Jerome Barancik, Patricia Fisher and Henry Thode Jr.



More preretirement years of life are lost annually due to injury than because of either cancer or heart disease/stroke, but Federal research expeditures have not paralleled the statistics, as shown in this chart adapted from the NAS report, "Injury in America." The studies being done by the Injury Prevention and Analysis Group are a step towards more even distribution of funding.

Barancik emphasizes that DOE has "one of the most impressive safety organizations I've seen anywhere," and its sheer size and variety makes the system a microcosm of the entire country. DOE and DOE contractors employ over 127,000 persons (full-time) involved in research, engineering, production, construction and service activities. These people work in more than 140 operating units of varying sizes throughout the U.S., all of which have the same occupational accident and injury reporting requirements through the Computerized Accident/Incident Reporting System (CAIRS).

A Classic Study in Epidemiology

This retrospective study is looking at the nonfatal injuries that occurred in the DOE system during calendar year 1984. The first step, says Barancik, "is to make sure that all cases are identified and classified generically, using standardized definitions, abstracting methods and coding procedures to get valid and reliable data."

Because some types of injuries are not required to be reported in CAIRS, IPAG will characterize the DOE injury experience independently by abstracting data from a sample of all original event reports. It will describe the population groups affected by occupational injuries and different factors associated with the injuries. It will also measure the outcome of injury events, including such statistics as number of work days lost and whether first aid was rendered at the facility or a hospital visit was needed. The study will also help in the validation of CAIRS, by comparing IPAG and CAIRS data.

"Essentially, the purpose of this type of epidemiologic study is to generate hypotheses about injuries in a defined population," says Barancik. "Then, we design followup studies to test hypotheses. If hypothesis testing projects go on without comprehensive information from descriptive studies, this can lead to false starts about how to address a problem, or when to intervene."

Intervention can take place before, during and/or after an occurrence that could produce an injury. For example, to prevent burn injuries, flammable materials might be removed from the workplace. To reduce the seriousness of injury, should an event occur, workers might be equipped with flame-retardant clothing. Or to reduce disability following an event, the victim would receive prompt, specialized treatment.

In this instance, then, IPAG would look at the data amassed for burn injuries in the DOE system, then form hypotheses as to whether intervention at a particular point might have reduced the incidence and severity of such injuries. Over a three-year period, IPAG's findings will assist in establishing priorities for occupational injury prevention within the system. Beyond that, IPAG will use this information to determine the feasibility of developing and implementing intervention strategies to prevent injuries from specific causes or reduce their consequences, to demonstrate the efficacy of selected strategies, and to measure the costs and benefits of those strategies. — Anita Cohen

Next week: Other questions to be answered.

Peter Horton

Current members of the Employee Relations Committee are (from left, seated) Susan Eng, Chairman Edward McFadden, Betty Heldman, Michael Zguris, (standing) Vincent Racaniello, Jose Medina, Jim Costanzo and April Donegain. Appointed by and responsible to the Director, the committee reviews work-related problems of non-bargaining employees when these problems have not been resolved by their supervisors. You may contact any committee member for assistance, and you can expect your problem to be resolved within 30 days of its referral to the committee. Members' extensions are: Eng —7126, App. Math; McFadden — 4188, App. Math; Heldman — 3699, Medical; Zguris — 4728, AGS; Racaniello — 7336, NSLS; Medina —7636, PE; Costanzo — 4040, Reactor; Donegain — 4425, DNE.

Inside Info

At the November 1985 meeting of the American Public Health Association, **Jerome Barancik**, head of the Injury Prevention and Analysis Group in the Department of Applied Science, became Chair-elect for Injury Control and Emergency Health Services. He will assume the chair at the end of this fiscal year. Also in November, Barancik was named Co-chair of the Program Committee for the New York Academy of Medicine's Motor Vehicle Injury Symposium and was appointed to the Program Planning Committee on Injuries for the Society for Occupational and Environmental Health.

Meyer Steinberg, head of the Process Sciences Division of the Department of Applied Science, has been named a Fellow of the American Institute of Chemical Engineers. He was cited for his contributions to energy and chemical production research and development. Fellow status in the Institute is one of the highest honors which can be conferred on a chemical engineer. To qualify, a person must be a practicing chemical engineer for more than 25 years, an Institute member of 10 years and be sponsored by five of his peers.

There's Something About a Studebaker

Peter Horton

Kevin Barnes with one of his Studebakers — a 1962 Gran Turismo Hawk.

When Kevin Barnes began restoring cars, shiny new Studebakers were coming off the assembly line. Studebaker ceased its U.S. operations in 1963, and today, some of those last Studebakers are among the "old" cars Barnes has restored.

Over the past five years, Barnes has owned 15 Studebakers. Most of those he has restored and sold, so currently he has only three. He drives his 1964 Daytona weekdays to and from BNL, where he works for Plant Engineering as a heavy equipment mechanic operator, assigned to the AGS. He only drives his 1962 Gran Turismo Hawk on Sundays and special occasions. Barnes had planned to make the third car — another Daytona — his "spring project," restore it, then sell it. But now the object of his spring attention will be the 1974 Jaguar XJ6 he's going to restore for his wife. "Donna doesn't want to drive a Studebaker anymore," says Barnes. "She's driven a lot of them, but she's tired of giving the history when people ask."

Barnes, however, will gladly recount the story of how the Studebaker company started out by making wheelbarrows for miners during the California gold rush (about 1848). "They went on to make other vehicles, like Conestoga wagons, horse-drawn carriages, and wagons for the Union during the Civil War," says Barnes. "In the early 1900's, they began making automobiles.

"There's something about a Studebaker," he continues, "Many people have a fond memory of one — their grandparents had one, or they themselves had one. The most commonly remembered model is the 1950 and '51 Bulletnose."

Studebaker stopped making autos in the U.S. in 1963, but continued to make cars with Chevrolet engines (so-called Chevybakers) in Canada for two more years. But as Barnes explains, the key thing that happened when Studebaker shut its doors was that Newman & Altman, a dealership in South Bend, Indiana, bought the company's entire stock of parts.

With that stock, smaller inventories in New York City and frequent meets held by owners, Studebaker enthusiasts, says Barnes, "can get any part they want, at reasonable prices. For our Jaguar, a fender alone costs $700. But I could replace the whole front end on a Studebaker — the front fenders, the hood, the bumper — for about $550. So a Studebaker can be picked up at a very reasonable price as a collectible car, and it can be repaired and driven daily for next to nothing. That's why I call this a poor man's hobby."

But it's more than a hobby for the thousands of members of the Studebaker Drivers Club, an international organization. About 75 of those members form the Long Island Chapter, for which Barnes edits the monthly newsletter, "The Studebaker Spotlight." One fact he turned up in his research for the newsletter is that Studebakers were used in the BNL fleet of cars from 1960-67.

Not only do club members own and restore Studebakers, says Barnes, "They are people who drive Studebakers every day and use them for regular transportation. I find them very reliable, though some people used to call them Steadybreakers.' But in the six years I've been driving them, I have never had a breakdown."

Barnes also appreciates the gas mileage he gets. "In their day, Studebakers were a small, high-powered car, so I'm pleased with how economical they are." He gets 24 miles per gallon on the highway with the Daytona, which has a V-8 engine, while the Hawk, with its larger engine, gets about 21 mpg.

"Studebakers are lots of fun," Barnes says. "They're fun to drive because they are interesting, unique and uncommon."

Even though Barnes's own cars are not old by antique standards, they have a distinctive enough appearance to prompt unusual reactions. "I had one fella ask, What kind of car is that?' " Barnes recalls. "I said, It's a Studebaker.' He said, I know, but who makes it?' I've also had people ask me, Studebaker? Is that a foreign car?' And some people pass by with cars full of kids staring. The parents point at my car and I can tell they're saying, That's a Studebaker!' "

— Anita Cohen

Service Awards

The following employees received service awards during the month of January:

Thirty-five Years

Lawrence V. Hankes ..... Medical
Paul R. Hichborn ..... AGS

Thirty Years

Arthur O. Anderson Jr .... Plant Eng.
Elbert N. Carter ..... S&EP
Lawrence E. Kukacka ..... DAS
Norman Sutin ..... Chemistry
David R. Wales ..... DNE

Twenty-five Years

Audrey L. Bangel ..... Reactor
Michael F. Clancy ..... AGS
John E. Denes ..... Applied Math
Joseph H. Dilg ..... AGS
Patricia R. Gassaway ..... HEF
Sidney Heller ..... Applied Math
Thomas F. Kelly ..... Medical
Theodore Lehecka ..... NSLS
Hilbert C. Morris ..... Plant Eng.
Otto Peters ..... Plant Eng.
Kenneth D. Riker ..... NSLS
Robert W. Safranek ..... S&EP
Ernest R. Schmitt ..... AGS
Arthur E. Scholtz ..... AGS
William P. Sims ..... AGS
Michael E. Stone ..... Accel. Dev. Br.

Twenty Years

James H. Bell ..... Central Shops
Joseph A. Gallo ..... Medical
Frank Haibon ..... Supply & Mater.
Hobart W. Kraner ..... Inst.
Hans Ludewig ..... DNE
Andrew J. McNerney ..... AGS
James A. Salvato ..... Central Shops
Kenneth Wenger ..... Plant Eng.

Ten Years

Robert E. Caulfield ..... Staff Services
Lee Collier ..... Plant Eng.
Mary A. Cooper ..... Applied Math
Edward S. Dale ..... AGS
Richard G. Eggert ..... AUI
Peter Eterno Jr. ..... Plant Eng.
Frank Ferraro ..... Plant Eng.
Jayne Fuhrman ..... Tech. Info.
Lamar Gardner ..... Supply & Mater.
David M. Gordon ..... DNE
Juanita Heyliger ..... Tech. Info
John H. Kelczewski ..... Plant Eng.
Kenneth A. Kowalski ..... Plant Eng.
William R. Leigh-Manuell ..... S&EP
Vinod Mubayi ..... DAS
Joan A. Murray ..... DNE
Michele M. Rabatin ..... DNE
T.J. Reddick Jr. ..... Plant Eng.
John F. Ryan ..... AGS
John Scrofani ..... DAS
Kaye L. Sneed ..... Supply & Mater.
Thomas E. Walters ... Supply & Mater.
Patricia A. Webster ..... HEF
Charles E. Whiting ... Supply & Mater.
Mary Wigger ..... Photo. & Gr. Arts

Patents Awarded

For inventing a superconducting wire with improved strain characteristics, **Thomas A. Luhman**, a former BNL employee, and DAS staffers **Carl J. Klamut**, **Masaki Suenaga** and **David Welch** were issued U.S. Patent #4,343,867.

The wire is composed of a superconducting filament and a beryllium-strengthened bronze matrix. The addition of an unusually small percentage of beryllium, ranging from 0.01 to 0.2 percent by weight, adds sufficient tensile strength to the bronze matrix during a heat treating process to hold the superconducting filament under greater compression, both radial and axial. The higher compression increases the strain limits and provides a more rugged wire with a higher useful current-carrying capacity.

U.S. Patent #4,540,960 was awarded to **Salvatore Giordano**, a former BNL employee, for developing a radio frequency (RF) resonant cavity having a fundamental resonant frequency and characterized by being free of spurious modes. The invention is used in filters, impedance matching devices, accelerating devices, and for other such applications where electromagnetic energy is transported.

Among its advantages, the RF cavity can be placed directly in operation to afford a desired single fundamental resonance within the cavity. It does not require the use of known prior methods for further tuning the cavity with movable probes or loops in order to selectively attenuate or move undesired spurious modes in the cavity.

Winner's Circle

Joseph Buscemi, a refrigeration and air conditioning engineer with the Plant Engineering Division (PE), suggested that gasoline coupons be eliminated. He received an award of $100 for this idea, which will save the Lab approximately $1,000 annually in coupons and labor.

Edward Iberger, a planner/estimator in PE, received a $25 award for his suggestion that Weight Watchers meetings be held on site.

Ruth Ann Lutz, an administrative assistant in High Energy Facilities, was awarded $25 for suggesting the use of transparent envelopes for viewgraphs. These envelopes, which eliminate the need for extra sheets between viewgraphs and allow for orderly placement in a loose-leaf notebook, are now available from stationery under stock number S-32330.

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.

In Stormy Weather

The following radio stations have agreed to carry announcements regarding emergency closings and delayed openings at BNL:

Station	Area	AM	FM
WCTO	Smithtown		94.3
WBLI	Patchogue		106.1
WLIX	Islip	540	
WHLI	Hempstead	1100	98.3
WBAB	Babylon	1440	102.3
WLNG	Sag Harbor	1600	92.0
WALK	Patchogue	1370	97.5
WRIV	Riverhead	1390	
WRCN	Riverhead	1570	103.9
WSBH	Southampton		95.3

HMO Enrollment

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 questions about the BC/BS Community Health Plan of Suffolk. Employees are reminded that the deadline for enrollment in the HMO is February 28, with coverage effective March 1, 1986 through February 28, 1987. Those wishing to enroll in the Plan must send their completed applications to Personnel Services, Bldg. 185 (Ext. 2877).

Health Survey

Health Promotion Surveys are now being distributed to a random group of 20% of employees. The survey asks questions about your health habits and interests, and the responses will be used to determine what health promotion seminars, workshops and support groups are needed, as well as what health screenings should be undertaken. If you receive this survey and do not care to participate, please pass on it on to a colleague who would. If you have not received one but would like to, contact Elaine Friedman, Ext. 2699 Tuesdays and Thursdays, Medical Department, Bldg. 490.

Tax Tip

If you have a loan at Barclay's Bank, interest statements are now available. Drop by and pick up the form as you will need the information for income tax preparation.

Do's and Don'ts Of Generator Use

The Suffolk County Electrical Contractors Association, Inc. has prepared guidelines on the use of portable electric power generators. Employees are advised that copies of the guidelines are available at the Public Relations Office, Bldg. 134.

Arrivals & Departures

Arrivals

William P. Koncelik .... Contr. & Proc.

Departures

This list includes all employees who have terminated from the Laboratory, including retirees:

Jorge Ubiles ..... Physics
Christine Yuelys-Miksis ..... DNE

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Peter Horton

When 1985 came to an end, Custodian Supervisor Phil Miller added yet another year to his long record of perfect attendance, bringing the total to 25 years. Here, Plant Engineering Manager Al Mahlmann (center right) congratulates Miller, along with others in Plant Engineering who boast years of perfect attendance. They are: (from left) Ken Andersen, five years; Ed Sujeski, 18 years; Mike Tesla, 14 years; (from right) Ed Leitgeb, nine years; and Roy Barone, nine years. In all, 46 Plant Engineering employees took zero sick leave in 1985.

To the Editor

The article about generator safety in the Bulletin was sound in respect to the hazards of exhaust fumes, gasoline storage, handling and electric shock, with one major omission.

Unless the home system is completely cut off from LILCO's wires at all times when the generator is in operation, it presents a lethal hazard.

If energy from the generator can get to the pole transformer it will be stepped up in voltage, usually to 13.8 kilovolts, and try to energize what's left of LILCO's distribution system. This has resulted in the past in fatalities among linemen who were trying to restore power.

Also, if (as is usually the case) one or more of your neighbors is connected to the same transformer as you are, your generator will bust a gut trying to carry the neighbor's loads. Either fuses will blow or your generator will stall.

Schulman's article said that a licensed electrician should be hired to install your generator. Of course, a licensed electrician would know about the importance of disconnecting from LILCO. What worries me is the hunch I have that many BNL people will try to do it themselves and save the not inconsiderable expense involved with hiring a professional.

— J.B. Horner Kuper

Note to Diners

The Cafeteria will be closed on Saturday, February 1. On that day, snack bar service will be available from 9 a.m. to 2 p.m. at the Brookhaven Center.

Cafeteria Menu

Week of February 3

Monday, February 3

Cream of spinach soup	(cup)	.65
	(bowl)	.85
Cantonese pineapple chicken w/rice		$2.50
Fish & chip plate		$2.45
Hot Deli: Beef & onion melt		$2.40

Tuesday, February 4

U.S. Senate bean soup	(cup)	.65
	(bowl)	.85
Veal madeline w/choice of one vegetable		$2.45
Baked chicken w/choice of one vegetable		$2.45
Hot Deli: Smoked turkey grinder		$2.45

Wednesday, February 5

French onion soup w/croutons	(cup)	.65
	(bowl)	.85
Sauteed tips & mushrooms w/noodles		$2.50
Vegetable lasagna w/garlic bread		$2.45
Hot Deli: Roast beef garden club		$2.45

Thursday, February 6

Potato leek soup	(cup)	.65
	(bowl)	.85
Fresh ham w/choice of one vegetable		$2.45
Shrimp & broccoli stir fry		$2.45
Hot Deli: Corn beef	(roll)	$2.45
	(bread)	$2.25

Friday, February 7

Vegetable beef soup	(cup)	.65
	(bowl)	.85
Southern fried chicken w/choice of one vegetable		$2.45
Broiled red snapper w/choice of one vegetable		$2.45
Hot Deli: Cold Italian sub		$2.45

BERA News

Swim Club

The BNL Swim Club will hold a crawl stroke clinic on Thursday, February 6, at 5:15 p.m. at the BNL pool. Peter Heotis and Mark Catan will coach the session. All those who can swim at least two laps of the BNL pool without stopping are invited. The Swim Team will practice on Thursday, February 13 at 5:30 p.m. at the pool.

R/C Model Plane Club

The R/C Model Airplane Club will meet Tuesday, February 4, at noon in Berkner Hall. All interested are invited to attend.

Basketball

Game #1

Hollywood — 58		Coasters — 45	
G. Mack	3	R. Doty	12
D. Nordstrum	19	M. Williams	9
B. Gunther	9	T. Mendez	4
R. Kowalski	2	P. Ratzke	2
R. Domenech	20	R. Rowley	6
B. Jasper	5	R. Leroy	2
		B. Allen	10

Game #2

Runaways — 72		Longshots — 55	
T. James	18	P. Brown	3
G. Smith	5	J. Gaeta	2
R. Moran	11	J. Garrison	7
J. Ripka	6	R. Seymore	2
J. Desmond	28	E. Taylor	4
A. Stillman	4	L. Walcott	10
		G. Grigg	8
		M. Colon	13
		A. Anderson	4
		R. Church	2

Volleyball

	W-L
League I	
Dinkers	27-2
Up Fagrabs	22-7
X-Rayted	14-15
Bumpers	13-16
Net Results	7-22
TNT	5-24
League II	
Phoubars	29-0
Nuts & Bolts	17-12
Fossils	16-13
Cannonballs	11-18
Chungas Revenge	11-18
Upton-Ups	3-26
League III	
Print-outs	21-9
Buddys	16-14
Screwballs	16-14
Foul-Ups II	16-14
Light 'n Lively	13-17
Couples	8-22

Gospel Reminder

If previous years are any indication, the 5th Annual Gospel Extravaganza tomorrow night promises to be a rousing evening. The program, which will begin at 7 p.m. in Berkner Hall, features a group of women singers from Massachusetts, along with several local choirs.

Throughout the evening, exhibits will be open in Rooms A and C of Berkner Hall. Gloria Graves will have a selection of jewelry and other accessories, and Ella McLean and Virginia Eleazer will be on hand to show their hand crafted macramé.

Get your tickets today and you will pay only $8 each. At the door tomorrow night, they will be $10. Ticket sellers are: Frances Ligon, Ext. 3709; Sandra Dozier, 4933; BERA Film Service, 3347; Rosa Palmore, 2064; and Kay Hunt, 2882.

Singles Club

There are still openings for the Mount Snow ski trip on February 21 to 23. The cost for four per room is $89 each, three per room, $104, and two per room, $113. If you are undecided about signing up because you do not know how to ski, speak to all the beginners who went on the recent Lake Placid trip. Call Doris Terry, Ext. 2228.

Brodi Mountain (Kelly's Irish Alps) has been selected for our last ski trip of the season on March 14 to 16. For four per room, the cost is $129 per person; three per room, $139; two per room, $149. The cost includes meals.

Bowling

Pink League

High games were bowled by Sharon Smith 196/195, Sandy Asselta 189, Maryann Larsen 175-174.

Red/Green League

R. Larsen had games of 221/213/615 scratch, K. Asselta 213, J. Morris 203/201, C. Tomesch 202, P. Ouvrard 200.

Purple League

Bob Barberich had games of 279/245 for a 697 scratch series, Ken Asselta 231, Tony Natoli 213, Gene Hassell 203, Joyce Pinelli 182, Sharon Smith 180, Lee Barberich 179/179, Fran Brown 175.

White League

Dick Adams rolled a 223, Ben Belligan 222, Ed Sperry IV 212, Pat Manzella 201, Karen Vogel 195, Rich Biscardi 192, John Hanlon 179.

Hospitality News

A morning coffee get-together will be held Tuesday, February 4, at 9:30 a.m. in the Brookhaven Center. Keiko Uehara and Noriko Sugitate will demonstrate Origami, the Japanese art of folding paper into flowers, birds and other shapes. Paper will be provided if you wish to try out this craft.

Spouses of employees and guests are welcome. Coffee, tea and danish will be served. Please come and bring the children. Babysitting will be provided free of charge, and it is suggested that you bring along a toy for your child to play with.

Have a Lab Bike? Think Spring!

As winter takes its firm hold on the Northeast, very little thought is given to bicycle riding, and probably even less to those repairs you meant to take care of. To avoid being delayed when spring does show, now would be a good time to take care of those repairs by contacting Fred Pond, Ext. 7238.

The service is provided free by the Supply and Materiel Division and ensures that Lab bicycles are kept in good working condition and available when needed.

EAP Hot Lines

As previously announced to all employees, Judith Katsin, Employee Assistance Program Manager, has left the Lab to relocate on the West Coast. Until such time as a replacement is found, she has left these numbers for employees who may need help. These mental health resources were developed by Dr. Katsin and have proven valuable to employees:

Alcoholics Anonymous: 654:1150
Al-Anon (for family members of alcoholics): 654-2827
Coalition for Abused Women: 542-0404
Eastern Long Island Hospital Psychiatric Unit: 477-1000
Suffolk County Drug Abuse Services: 582-4141
SUNY at Stony Brook - University Hospital 24-hour emergency: 444-2494
1-800-COCAINE

For emergency counseling, please contact the Clinic Nurses Maureen Sacker or Camille Saville on Ext. 3670. They can provide a confidential referral to a doctor in your community.

It's a fact: Many of Long Island's Indian place names are still appropriate. For example, Connetquot means a long tidal river; Yaphank means on the river bank and Aquebogue means at the head of the bay.

Classified Advertisements

Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position, with consideration given to candidates in the following order of priority: (1) present employees within the department and/or appropriate bargaining unit, with preference to those within the immediate work group; (2) present employees within the Laboratory as a whole; and (3) outside applicants. In keeping with the Affirmative Action plan, selection decisions are made without regard to age, race, color, religion, national origin, sex, handicap or veteran status.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all non-scientific staff positions; second, to give employees an opportunity to request consideration for themselves through Personnel; and, finally, for general recruiting purposes. Because of the priority preference policy stated above, each listing does not necessarily represent an opportunity for all candidates. As a guide to readers, the listings are grouped according to the anticipated area of recruitment.

Except when operational needs require otherwise, positions will remain open for one week following publication date.

For further information regarding a placement listing, contact the Employment Manager, Ext. 2882.

THE VACANCY LISTED BELOW HAS BEEN EXEMPTED BY THE DIRECTOR'S OFFICE FROM THE CURRENT FREEZE ON OPEN REQUISITIONS.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

2399. STAFF ENGINEER - Requires Bachelor's in science and engineering to handle source and special nuclear material accountability in the Isotopes and Special Materials Group. A strong background in mathematics and physics is required to perform calculations involved with half-life shielding, self absorption and gamma spectroscopy. Basic computer programming skills highly desirable. The ability to obtain "Q" clearance is mandatory. Safeguards and Security Division.

Autos & Auto Supplies

82 KAWASAKI KX125 - very good cond., $625. 399-4590.

73 PLYMOUTH VALIANT - 6 cyl., a/t, p/s, good cond., in/out, $325. 728-8602 after 5 p.m.

78 CAMARO - black, p/s, p/b, a/c, cassette, $2,700. 473-1175.

80 OLDS OMEGA - 4 dr. sedan, 4 cyl., p/s, auto, 85k mi., $1500. Randy 751-2634 after 6 p.m.

79 COUGAR XR7 - all power, am/fm cassette, elec. roof, 85k mi., $2800. 289-7186 after 6 p.m.

THREE WHEELS - for GM cars, 14", $10. each. Bob, Ext. 4824/4561 or 744-5098.

FIBERGLASS CAP - 8' bed, sliding front windows, 2 roof vents, excel. cond. 325-0447 after 6 p.m.

73 VW SQUAREBACK - dependable transportation, $725. Mirzadeh Ext. 4463/2400 or 751-2422.

80 CHEVETTE - 4 dr., hatch, a/c, stick, am/fm cassette, excel. cond. 473-2436 after 6 p.m.

74 FORD COURIER PICKUP - with cap. 475-9452 after 5:30 p.m.

81 VW JETTA DIESEL - 4 dr., 5 spd., avg. 44+mpg, a/c, am/fm stereo tape, LTD 75k. hwy. mi., excel. cond., $4,500. Lloyd, Ext. 3381 or 286-1024.

79 CHEVY - ¾ton 4 w.d., p/s, p/b, cap, extras, flotrac tires, good cond., $4,900. Don, Ext. 3511.

78 FORD FAIRMONT - avail. late Feb., $1,950; 79 Plymouth Horizon, $1,900. Ext. 3755/3222.

78 HONDA CIVIC - 14k mi., new engine, new brakes, am/fm cassette. Ed, Ext. 3293 or 477-2880.

83 HONDA CIVIC S.W. - 5 spd., a/c, roof rack, rust-proof paint, sealer, good cond., extras, $5,800. Ext. 3658.

73 CHEVY MONTE CARLO - a/t, p/b, p/s, a/c, body good cond., needs little work, $200. Tony, 732-9199.

79 PINTO - p/t, p/s, a/c., $1,500. Ext. 4846 or 363-6940 after 5 p.m.

81 CHEVY CITATION - 4 dr., hatch, deluxe, p/s, p/b, a/t, cruise, am/fm stereo, excel. cond., 54k mi., $2,950. Bob, Ext. 5308/3172, or 878-1731.

79 JEEP WAGONEER - 4/wd, 360 eng., p/s, p/b, a/c, am/fm radio, 2 barrel carburator. 61k mi., $3,900. Ext. 2333 or 732-3002.

RADIAL TIRES - 4, Goodyear Ariva, w/w, 225-15, like new, $60. each. Frank, Ext. 3120.

81 BUICK SKYLARK LIMITED - 40k mi., V6, 2 dr., a/c, p/s, p/b, am/fm. Witkover, Ext. 4607 or 368-0452.

77 JEEP CJ5 - 4 wd, new armstrong tracker radial tires, new gas tank, $1,700. Mac, Ext. 4660 or 821-2515.

74 HONDA - runs, best used for spare parts, $100., as is. Ted, Ext. 2243.

82 CHEVY S.W. MALIBU CLASSIC - very good cond., $4,000; 78 Cadillac Fleetwood Brougham, excel. cond., a classic, $4,500. 475-4596.

82 FORD CONVERTIBLE EXP - white with black top, excel. cond., asking $4,200. Michael, 286-8180.

75 FORD GRAN TORINO - p/s, p/b, a/c, good cond., $850. 924-5224.

73 FIREBIRD - Grand-am radials, new clutch, 3 spd., very good cond., Ken, 473-7460.

72 MALIBU - am/fm cassette, 6 tires, excel. eng., needs body work. $500. Martha, Ext. 7655 or 584-7206.

78 CHEVY IMPALA WAGON - p/s, p/b, a/c, am/fm, good cond., good tires, including snow tires, $1,200. 744-5096.

74 TORINO - 75k mi., recent tires, brakes, batt., and water pump, am/fm cassette, $950. 281-0360 after 6 p.m.

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

73 CHEVY IMPALA - 4 dr., p/s, p/b, good running cond., asking $600. Gladays 282-1166 eves.

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.

78 DATSUN B-210GX - hatchback, am/fm, new tire, very good cond., $1,000. 862-6970.

75 PLYMOUTH GOLD DUSTER - a/t, a/c, good running cond., am/fm, 6 cyl., 2 dr., $650. 924-3236.

79 TOYOTA CELICA GT - hatchback, sunroof, 5 spd., am/fm/tape, 75k mi., excel. cond., $3,300. 567-8609.

76 CHEVY VAN - p/s, a/t, reblt. 350, customized in/out, rugs, panelling, stereo/cassette, bed, mags, minor body work, $2,450 neg. Cris, 475-8456.

76 STUDEBAKER DAYTONA - 2 dr., hard top, last American built, excel. restorable cond., $1,200. Kevin, 282-8031.

70 OLDS VISTA CRUISER STATION WAGON - p/s, p/b, am/fm/8 tr., a/c, 9 pass., 350 Cl., $500. Bob, Ext. 4605.

75 FORD LTD. - 4 dr., a/t, a/c, p/s, p/b, am/fm, mech. good, $1,200. 75 Dodge Dart, 2 dr. p/s, p/b, am/fm cass., 85k mi., $600., neg., 286-0601.

RIMS - great for snow tires, 14" for Chrysler, Plymouth, Dodge. Also 15" for Ford, $10. each. Frank, Ext. 4584.

76 BMW - 2002, am/fm stereo, a/c, service records for 2 yrs., $3,000. 922-3802 eves.

68 PLYMOUTH VALIANT - 1 dr., runs well, rough body, for parts or limited transportation. W. Glenn, Ext. 4662 or 628-8208.

76 PONTIAC SUNBIRD V6 - new radials, very good cond., $1,200. 732-1913 after 5 p.m. and weekends.

75 DUSTER SLANT 6 - excel. running cond., $650.; 73 Opel, good running cond., $100. 924-0960.

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

TIRES - (2) 185/65 - HR15 Pirelli P8, 90% tread $50/pr. Dave Ext. 4826 or 475-2626.

80 DATSUN 200SX - hatch, 5 spd., a/c, cassette, p/s, very good cond., 75k mi., $3,300. Louise, Ext. 3397 or 473-7352.

78 DODGE ASPEN - 100k mi., stereo, runs with hesitation, $500. Ext. 2788.

78 CHEVY CAPRICE WAGON - loaded, runs, good, clean cond., high mileage, $1,200. 924-4262.

84 NISSAN 4×4 king cab, custom couch, custom cobra cap, elegant looking, mint. $8,400. 698-0069.

Boats & Marine Supplies

18' CENTURY - '84 bow rider, 170 hp, I/O, 8 hrs. on engine, full canvas, DF, $8,500, inside winter storage. John, Ext. 4255 or 929-4450.

26' PEASON - '72, 15 hp engine, 5 sail DF. Ext. 3921 or 689-9214.

MOORING - 300 lb., complete with float, shackles, 40 ft. of chain. Used for one season. $375.

Miscellaneous

CAR RADIO - am/fm Datsun, $25.; brass lamp, 4-lights, $10.; girls skates, size 1 & 13, $7. Ext. 2432.

SANSUI DELUXE RECEIVER - 125W per channel, originally $550., asking $175. Ext. 3922.

MICROWAVE - Litton Generation II, 2 yrs., old, $175. 399-4590.

BIFOLD DOORS - double width, $35.; chrome bench, $50.; spacious child's chest of drawers, $50.; folding bed, $50. Ext. 2007.

FIREWOOD - split, seasoned oak, 4'×16'×20-22" pieces, delivered, $110. 732-2849.

COMPUTER - TRS80 Model 3 with RS232 port and lots of documentation, $200. Lee, Ext. 7286 or 821-3963.

POWER SNOW REMOVER - Snow Bird, 2-stage, 2' wide, self propelled, h/p unknown, good cond., $125. Bob 283-1752.

STEREO - GE, 8-track, speakers, neg., $35.; entertainment center, $10. 751-1884.

ATARI PROTECTIVE COVER - 400 computer, new, $4.; teleauto converter 2× screw mount, $8. Susan, Ext. 4267.

BAFFA - citrus sale, delivery Feb. 22. Mary, Ext. 4230 or Friends of the Fine Arts, Ext. 4412.

TABLE SAW - 9' craftsman with legs, and carbide blade, excel. cond., $15. Ed, Ext. 4768.

ELECTRIC RANGE O'KEEFE - Merritt 30' double (over/under), oven works well, $29. Ext. 2180 or 286-3937.

METAL DESK - heavy, 45 long/30h/34d, $20.; humidifier w/fan, $10.; 6 qt. & 4 qt. pressure cooker, $8. each; sled, $4. 878-6637.

POOL TABLE - good cond., 325-0447 after 6 p.m.

REFIGERATOR FREEZER - Westinghouse, S/B/S, frost free, 21 cu. ft., excel. cond., $300. Ext. 4052 at noon or 265-2733 eves.

AIR CONDITIONER UNIT FOR COMPUTER ROOM - Liebert model, Challenger CU49W, Carole Lilawski, 924-5533.

AM AUTO RADIO - excel. cond., $10. Ext. 3922.

WOOD BURNING FIREPLACE INSERTS - new, $800.; 3 yrs. old, $300., or best offer. 286-2209.

AKAI REEL TO REEL DOLBY - excel. cond., cost $450., $180. or best offer. Ext. 2350 or 821-1525.

SENTRY COMBINATION FLOOR SAFE - inside 12×16×20, excel. cond., $15. 475-3598.

BEDROOM - modern gray, bookcase, headboard, triple dresser w/mirror, chest of drawers, $500. R. Tallon, Ext. 4636 or 473-3987.

SNOW THROWER - Sunbeam, Snow Champ, 12' electric, like new, $175. Kevin, 878-4285 after 5:30 p.m.

CANOPY BED - $60.; large fireplace screen, $10.; portable typewriter, $25. Jim, Ext. 3372.

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

JACKET - boy's size 14, Mighty Mac, like new, $25.; ski bib pants, blue, size 5 jr., $8.; hockey skates, size 9 & 5. Jim, Ext. 3372.

ELECTRIC GUITAR - Aria Pro II, excel. cond., $130. Greg, 286-3675.

RUG SHAMPOOER - Electrolux, 4 yrs. old, like new, good cond., $75. 929-3249.

HUMMEL COLLECTOR PLATES - '78 & '79, $100. each; both for $175. Joe, Ext. 2898.

MAXELL DISKS - ds/dd, $10./box. Jim, Ext. 3372.

REFRIGERATOR - 10 cu. ft., Admiral, 2 yrs. old, $50. Bob, 588-0689 after 5:30 p.m.

REFRIGERATOR - Hot Point, 11.9 cu. ft., avocado, $75.; gas range, Hot Point, avocado, $35. 758-5659.

GUITAR - Applause by Ovation, 6-string, round back, acoustic, p/v, tone and volume, excel. cond., $200. Ken, 473-7460.

VIOLIN - ½ size, good cond., Tak. Ext. 3187 or 2823.

MEYERS POWER ANGLE SNOW BLOWER - 8 ft. plow with extra equipment. 928-0397.

FREEZER - upright, full size, good condition, $100. 654-0769 eves.

KEYBOARD SHELF - roll out type, will support any terminal, $140. Ext. 4524.

MULTI STAGE JET PUMP - Sears deluxe, 1 hp, 115/230V, complete, less tank, good cond., $100. Walt, 878-8967 after 4:30 p.m.

SKI BOOTS - Raichle, rear entry, size 10½,; Caber ski boots, size 11; assorted skis. Damian 924-8686 days or 744-5074 eves.

SEARS ROTISSENA OVEN - good cond., $20,; tennis racket, Master 4½, excel. cond., $25. 924-3236.

PANASONIC KXP-1090 PRINTER - for IBM-PC, full Epson compatible, 6 months old, $150.; with stand, $165. Ext. 4524.

VIOLIN - German make, also with case and bow, $300. Dina, Ext. 4266 or 286-0854.

AIR CONDITIONER - 25000 BTU, $175.; children's dresser, w/closet, good cond., $50. Bob, Ext. 4605.

BUNK BED FRAME - with drawer unit, show room condition, "bunkie boards" included, $500. neg. Bob, Ext. 4605.

COLOR COMPUTER 2 - 641C w/extended basic, 5 game cartridges & joysticks, magazines and tapes, $125. Ext. 2022 or 727-4228.

EXERCISE BIKE - $125.; am/fm, 8 track stereo, w/speakers, $100.; Manual typewriter, $40.; 8" table saw, excel. cond., $125. Ext. 3173.

MOVING SALE - Lake Ronkonkoma, washing machine, desk, stove, etc., Sunday, Feb. 2, 10 a.m. — 6 p.m. 981-8745.

FOOD PROCESSOR - Bosch, 650W, keeps 6 lbs., many accessories, $16. Monika, Ext. 4859 or 821-3243.

Free

RUGS - 3 olive green, 9×15, 8×10, 10×12, you pick up. 325-0567.

WOOD STOVE - air tight, tank type, Jötul, needs door gasket. Adam, Ext. 4561.

Car Pools

495 Exit - 22-26 - needs two drivers, 8:30-5:00 p.m. Vladimir, Ext. 5261.

BELLPORT - need one driver for existing pool, 8:30-5:00. Bob Walton, Ext. 2388.

BABYLON/E. ISLIP - need one driver for on-time car pool, 8:30-5:00 p.m. Mike, Ext. 2705.

COMMACK - one driver needed, 8:40-5:00 p.m. Ted, Ext. 4030.

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

SOUTH CAROLINA - Hilton Head, condo, tennis, golf and plenty of sunshine. Last of the winter rates, $300/wk. 585-9149.

MASTIC BEACH - entire M/D house, 2 kit., 2 l/r, 5 bdrms., 2 baths, playroom, 2-car gar., lg. yard, renter has option to sublease apt., $1,200 mo. both. Jim or Bill, 300-2525.

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

MEDFORD - Birchwood, condo, 3 bdrms, 1½ baths, a/c, w/w, all appliances, cable, secluded loc., walk to clubhouse, tennis, swimming, golf, 15 min. to Lab., Ext. 3921 or 698-3216 eves.

PORT JEFFERSON STATION - 3 room apt., fully carpeted, all new appliances, patio, fire place, utilities included, $550/month. 928-9007 after 5 p.m.

CORAM - New Bretton Woods, condo, 2 bdrms., 2 baths, l/r, eik, carpeting, 5 appliances, a/c, golf, swimming, spa, flexible lease, avail. Feb. 1. Ext. 2017 or 821-2878.

CENTER MORICHES SOUTH - 3½ lg. rooms, private entrance, full bath, refrigerator, carpet, no children or pets, 1 mo. security, immediate, $550/mo. pays all. 878-0480 eves.

NEW HAMPSHIRE - White Mountains, Ski Loon, 3 bdrms., 2 bath, deluxe condo, f/p, color TV w/HBO, clubhouse, jacuzzi, ¼ mi. to slopes, (free shuttle,) easy drive I-93, 4 nights $450, weekly, $600, 914-232-4039.

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

SOUTH CAROLINA - Hilton Head, two bdrm. condo, sleeps six, loads of tennis and golf, winter rates, $300/wk. 585-9149.

CORAM - New Bretton Woods, condo, 2 bdrm., 2 baths, l/r, d/r, eik, w/w, 5 appliances, a/c, golf, tennis, swimming, clubhouse, $750/ mo. utils., 1 year lease, no pets. 289-0413.

MASTIC - 1 bdrm. apt., working couple wanted, no pets, 10 min. to Lab. $450. + elect. 399-6367.

For Sale

FLORIDA - Port Charlotte, W. Coast, 120' × 125', property, high, dry land, walking distance to Peace River with direct access to Gulf. Asking $15,000, 732-8216 after 5 p.m.

SAYVILLE - 3 to 4 bdrm., Calif. ranch, brick front, 2 full baths, gar., central a/c throughout house and in full basement, eik, d/r, l/r, fam/rec rm., large patio w/outside shower, can be made M/D, $147,000. 589-2681.

KINGS PARK - 4 bdrms., bi-level, 1½ bath, 2 car gar., 8 rms., sun deck, brick patio, 1/3 acre, close trans., beaches, extras, $150,000. 724-6497 eves.

BROOKHAVEN HAMLET SOUTH - 3 bdrm. ranch, sunken l/r w/fp pit, indoor BBQ, 2 baths, ½ acre, walk to boat, $148,000. 286-0065 eves. & wknds.

BROOKHAVEN - 4 bdrms., colonial, 2½ baths, l/r, d/r. fam. rm., 2 car gar., w/w, on secluded 2 acres. $249,000. 286-4973.

AQUEBOGUE - 3 bdrm. ranch, 1½ bath, fpl, 1½ car gar. 20 min. to Lab. 516-722-4644.

Wanted

ICE SKATES - dbl. runner, metal or plastic, strap to shoes/boots, for 2 yr. old. Michele, Ext. 2927 or 286-9226.

TRAINS - Lionel, American Flyer, accessories, any condition brings good price. Carole, Ext. 3362 or 924-4097 eves.

OIL BURNER - 3450 rpm motor or old Beckett. John, 744-5867.

1541 DISC DRIVE - for C-64, reasonable & working or working printed circuit board for C-64. 286-3623.

HOUSE TO RENT - 2 + bdrms., South Country School District, reasonable. Bill, Ext. 2378.

MUSICIANS - For North Patchogue Fire Department Band. Rehearsals 8-10 p.m. Thurs. Concert 2/23. Ext. 4570/3999 or John 751-2655/Al 744-1206.

TO SHARE - house, Mastic Beach/Shirley, own room, fully carpeted, dresser, end table, bed, kitchen privileges, near shopping area and beach; working female preferred, $300/mo. Anna 399-2956.

CHEVY ENGINE - 6 cyl. 250 cu. in. 1976 or newer, good cond., Steve, Ext. 5163.

AC GENERATOR - 1500 W., 4-cyl. B&S eng. Chris, Ext. 4572/163 or 265-0163 after 6 p.m.

BAND - for Sunday afternoon wedding reception, 10/26/86, reasonable. Anne, Ext. 3336 or 475-8456.

FILE CABINET - wooden, 2-3 drawer. Ext. 3589.

AIR COMPRESSOR - 11V 2-1 hp, reasonable price. Ext. 3589.

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

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).