BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

DAS Analysis Suggests Equation:

More Buckling Up = More Lives Saved + Fewer Injuries

During the first six months of 1985, the number of deaths due to motor vehicle crashes in Suffolk County was 24% lower than in the same period of 1984. The ratio of deaths to injuries fell by 18%. Drawing on evidence from a hospital emergency department-based study, Jerome Barancik suggests that the difference is related to compliance with the New York State (NYS) Seat Belt Law, which became effective January 1, 1985.

The study is the continuing work of the Department of Applied Science's (DAS) Injury Prevention and Analysis Group (IPAG), headed by Barancik. Collaborating with IPAG are groups from the State University of New York (SUNY) at Stony Brook and the Suffolk County Department of Health Services, directed by County Health Commissioner David Harris.

On Wednesday, May 20, Barancik presented preliminary findings of the study at the 1987 Society of Automotive Engineers' Government/Industry Conference in Washington, D.C.

"The data so far appear consistent with a sharp increase in belt usage, particularly during the first quarter of 1985," said Barancik in an interview at BNL. "In addition to the fewer fatalities and lower overall case fatality ratio [number of deaths per 1,000 injured], our study shows changes in certain injury patterns.

"Head [skull] injuries decreased by over 22%," he continued, "while nose and jaw fractures increased. This suggests, for example, that heads may be contacting windshields less often — and that will be a subject for further investigation."

Barancik pointed out that restraint use laws have been repealed in Massachusetts and Nebraska, and that seven of the 24 remaining states with these laws have repeal bills under consideration. "In view of this, our findings — that seat belt laws such as New York State's have the potential to save lives and decrease the severity of injuries — are especially timely," he said. "The research and data collection team — Caroline Kramer, Henry Thode, Nannette Connor, Anne Smith —and our other staff have contributed dedicated work for months on this project."

Photo by Mort Rosen

(from left) Henry Thode, Jerome Barancik and Caroline Kramer.

Barancik explained that IPAG's preliminary data compared motor vehicle crash-related injuries for the first six months of 1984 with those that occurred during the first six months of 1985. During the 1985 post-law period, the total number of licensed drivers increased, as did the total number of miles driven, vehicles registered and officially reported number of collisions.

Normally, given these conditions, fatalities and severe injuries from motor vehicle crashes would have been expected to be higher in 1985 than in 1984. Yet they dropped. Barancik said that the new seat belt law appears to have been a contributing factor during the period studied.

IPAG obtained data on seat belt use from studies conducted by SUNY at Albany for the NYS Governor's Traffic Safety Committee. In October, 1984, the observed usage estimate was 16%. In January 1985, after the law was first enforced, Suffolk usage rose to 62%. By April 1985 it had dropped to 54%, and by December it was only 44%.

"It's intriguing that after the seat belt law was enacted in the United Kingdom, British usage went up to over 90% and stayed there," observed Barancik. "Much the same happened in Australia. But in the U.S., Canada and other countries, the initial sharp increase in usage declined. In this country, studies have shown that vigorous enforcement of the law is effective — but why isn't this necessary in the U.K. or Australia? It's an enigma, and there's need to resolve the issue."

The bulk of the data for the present study was collected by IPAG from reports on motor vehicle injuries treated in all Suffolk County hospitals with emergency departments. They obtained such information as cause and nature of injury, time and place of injury and injury outcome.

"Suffolk is well-suited for such a survey," commented Barancik. "We are surrounded on three sides by water, so most people injured here are initially treated in the County."

The data from Suffolk County are being compared with data from the State of Rhode Island (R.I.), which was chosen to represent an area without a seat belt law in force during the study period. Demographically, the two areas are similar, and R.I.'s population of 900,000 is fairly close in size to Suffolk's 1.3 million. Also, the R.I. State Health Department is using techniques for collecting data that are similar to and compatible with IPAG's.

"The Rhode Island results are as clear as ours — but in the opposite direction," said Barancik. "During 1985, when the number of Suffolk's road-related fatalities dropped, Rhode Island's fatalities increased."

IPAG's work is by no means done. Data collection and analysis from 1983 and the second half 1984 and 1985 are yet to be completed. Compatible data from hospital admissions in New York's Monroe County are being collected and analyzed with the Suffolk data, as well as information such as injury type and severity by vehicle type and occupant position. In October, a study that improves accuracy and precision in methodology of injury coding will be presented by Kramer to the American Public Health Association.

"Our results have begun to show the value of the seat belt law," said Barancik. "Developments from these early findings should help us find ways to reduce deaths and injuries from vehicle crashes still further."

— Liz Seubert

Acid Rain Mobilizes Metals

Pamela Stokes, Director of the Institute for Environmental Studies (IES) and Professor of Botany at the University of Toronto, will address "The Role of Metals in Acidic Precipitation" on Tuesday, May 26, at 3:30 p.m. in the Hamilton Seminar Room, Chemistry, Bldg. 555. The Laboratory community is invited to this talk, which is sponsored by Brookhaven Women in Science.

Pamela Stokes

A controversy exists among those who study acid rain: Are some of the symptoms of acid rain caused by the acidic precipitation itself or by metals dissolved from the soil by acid rain? "In field studies, it is not possible to separate the effects of the two," says Stokes. In her lecture, she will outline the debate and explain why she thinks that mobilized metals are one mechanism by which acid rain does its damage.

From the results of theoretical and experimental work, Stokes feels that acid rain upsets the natural movement of metals normally found in the environment. She explains that acid rain precipitates metals from the soil; these dissolved metals then affect water quality, as well as the balance of plants and animals in the water.

In addition to studying the role of metals in acid rain, Stokes's research interests include metal tolerance in freshwater phytoplankton, factors affecting the toxicity of metals to water species and the use of mosses and lichens to monitor organic pollutants and metals.

Stokes has been with IES since 1976: She served as Associate Director until 1983, when she assumed the directorship. She came to the University of Toronto in 1969, as an Instructor in the Botany Department, and moved up the ranks until she became Professor in 1982, a position she still holds. Stokes received her Ph.D. in mycology in 1959, from the University of Bristol, England.

There will be a luncheon in Stokes's honor at noon, in Room A, Berkner Hall. The cost is $7 per person; to make reservations, call Edie Thornhill, Ext. 7813. Before the lecture, coffee, tea and cookies will be served at 3:15 p.m. in the lobby of Bldg. 555.

In the Scientific Spirit

Peter Horton

"Will Bread Mold Grow on Things Other Than Bread?" This and other scientific questions were answered in over 300 projects completed by young students from 77 Suffolk County schools who participated in the Brookhaven National Laboratory Elementary School Fair on Saturday, May 16. Heather Wyckoff of the Andrew Muller Primary School, Miller Place, investigated mold so thoroughly that she won first prize for the first graders (see story inside).

A Young and Fair Look at Science

The Cafeteria was transformed into a scientific exhibition hall last Saturday, May 16, when the Public Affairs Office hosted the third annual Brookhaven National Laboratory Elementary School Science Fair.

More than 300 projects from students ranging from kindergartners to sixth graders at 77 Suffolk County schools were judged at the Science Fair for their scientific thought, creativity, thoroughness and clarity. Taking top honors were:

Kindergarten — Robert Gordon, Norwood Avenue School, Northport, "What Do Woodlice Eat?"

First grade — Heather Wyckoff, Andrew Muller Primary School, Miller Place, "Will Bread Mold Grow on Things Other Than Bread?"

Second grade — Brendan Langhauser, Coram Elementary School, Coram, "How to Melt Ice."

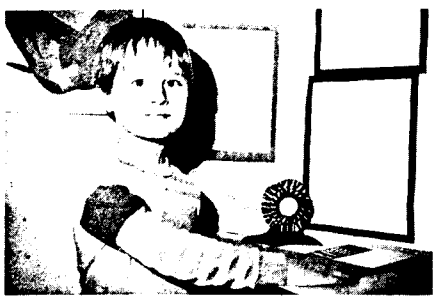
Third grade — Claire Ann Van Cott, Ridge School, Ridge, "No Trouble With Tropisms."

Fourth grade — Jake Mooney, Wading River School, Wading River, "Does the Color of Food Affect People's Choice?"

Fifth grade — Barbara Ingrae, Charles Walters Elementary School, Yaphank, "Are Cat Senses Better Than Dogs?"

Sixth grade — James Greenleaf, Helen B. Duffield Annex, Ronkonkoma, "Chemical Effects on Plants."

Judges were selected from among classroom teachers of participating elementary schools and members of the Lab's scientific staff.



Peter Horton

Kindergartner Robert Gordon of Norwood Avenue School, Northport, won first prize in his class for answering the question, "What Do Woodlice Eat?"

Peter Horton

Judging projects submitted by fifth graders at the Science Fair are (from left) Frank DiMartino, Patchogue-Medford School District; Joanna Hanz, BNL's Medical Department; and Gus Prince, BNL's Department of Nuclear Energy.

BNL's Fabulous Forty

Thirty years ago this week, on the evening of May 16, 1957, seven-year-old Benny Hooper fell feet first into a 21-foot-deep well, only 12 inches in diameter, on the grounds of his parents' home in Manorville.

As rescue efforts began, the media converged on the scene. During the next 24 hours about 200 people worked to save the boy under the gaze of some 450 onlookers. And across the nation, concerned people stayed close to their radios, listening for what the media called the "Miracle of Manorville." It happened at 7:46 p.m. on May 17, when Benny Hooper was pulled from the well — alive.

During this ordeal, many employees at the ten-year-old Brookhaven National Laboratory pooled their expertise and their resources to help effect one of the most dramatic rescues ever made on Long Island.

A few days after the rescue, Frederic Williams, Security and Plant Protection Division, wrote a report describing how "Every Laboratory staff member called upon . . . responded wholeheartedly without question and the Laboratory can take full credit for, at the very least, providing the ideas and means of materially assisting in saving the life of a child." The child was the son of Benjamin Hooper, who had worked for the Lab from 1949 to 1950.

Recalling those 24 hours this week, James Cottingham, Accelerator Development Department (ADD), said, "I remember it in detail like it was yesterday. There was an amazing spirit of cooperation, and everyone turned the world upside down to make it happen."

A vital step in saving Benny Hooper's life was to keep him supplied with air. Thus, at 7:43 a.m. on May 17, Williams reported, "Frank Walsh, Head, Supplies and Materials Division, telephoned the Laboratory Police and requested that a number of oxygen tanks be sent immediately to the rescue scene. . . . The Laboratory supplied a total of 11 tanks of oxygen and was prepared to supply 6 additional tanks if needed."

But the life-saving oxygen also tended to dry out the well, causing sand to loosen and fall on the boy. At 9:30 a.m., Cottingham, Burton Chertok and Martin Plotkin, ADD, brought a small shop-type vacuum cleaner to the rescue scene, thinking it might be used to remove the sand, but it became clogged and inoperative.

Still, the vacuum cleaner idea was proved to have merit. At noon, members of the Reactor Operations and Health Physics Departments suggested that a Reactor Department vacuum cleaner "might be used to suck the sand from at least the top of the boy's body by dropping the suction line down the well."

To keep the vacuum from dislodging more sand, the group suggested putting a pipe down the hole to strengthen the sides. The idea was to first sink 5½" tubing, then insert around it 7" tube to get the largest opening possible.

So at 1:10 p.m., five Lab trucks loaded with the vacuum cleaner, generator hose, three 20' lengths of 5½" aluminum irrigation tubing and other equipment went to the scene. There was no 7" tubing at the Lab, but John Sears, Reactor Department, reported Williams, "recalled that a 30' length of [such] tubing was available in Setauket . . . from a Mr. Gibbs," a former Cosmotron employee. Sears picked it up and brought it back.

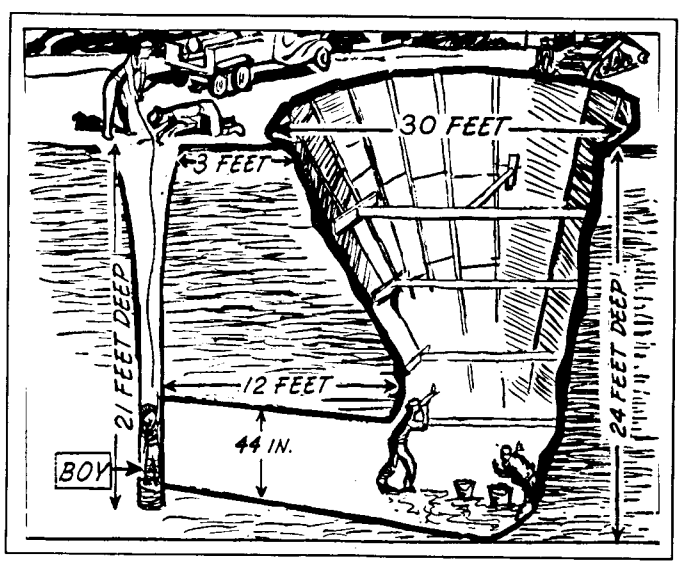
Meanwhile, at the rescue site, BNL'ers Walter Becker, Frank Bugala, Edgar Hunter and Williams agreed that Hunter would assume complete control of the Laboratory group and Williams would act as liaison with the persons in charge who included Patchogue contractor Mike Stiriz.

At 1:57 p.m., after receiving the okay to try their idea, Williams asked for the Lab's mobile crane to be sent to the scene. Hunter, Becker and members of the Grounds Maintenance Group, Williams wrote, "successfully lowered the 5½" irrigation pipe 18½', to a point where the rubber-covered end rested lightly on the arm of the boy." Then, using the Lab crane, the 7" tube was lowered over the 5½" tube and "successfully anchored several inches above the boy. The 5½" tube was then withdrawn . . . the vacuum line was lowered down the tube . . . and about 1½ feet of sand was removed from around the boy's body exposing his jacket, an arm and a hand."

With the problem of keeping the well from caving in solved, rescuers concentrated on reaching Benny Hooper. Mike Stiriz had planned to reach him through a lateral tunnel but needed more large tubing to shore it up. At the scene, BNL's David Kassner and Ernest Hoyle, Cosmotron Department, suggested that the magnetic shield for the Cosmotron's Gamma Ray Shower Detector might do the job.

The shield consisted of four 4-foot lengths of steel tubing, which telescoped together, ranging from 24" to 27" in diameter. Three sections were driven into the ground. Then, wrote Williams, "by hand digging at the end of the tunnel Mike Stiriz' men located the boy and brought him out through the tube, alive and in fair condition," at 7:46 p.m.

Among the other Lab employees Williams credited in his report were: Silvio Bello, Hugh Campbell, Nate Carter, Angelo Didio, Howard Farrell, Ernest Guettinger, Donald Mallory, Thomas Papa, Adam Paskiewicz, Michael Perrier, Jack Philips, Robert Powell, Louis Stang, Ernest Stihel and Stephen Waski. Employees who came to the scene with the Manorville Fire Department included Gus Formhals, George Guydish and Frank Magnani. — Anita Cohen



This drawing, which appeared in the New York Herald Tribune on May 18, 1957, shows the well hole into which Benny Hooper fell and the pit and the tunnel dug to rescue him.

IBEW Meeting

Local 2230, International Brotherhood of Electrical Workers (IBEW), will hold its regular monthly meeting on May 27 at 6 p.m. in the Knights of Columbus Hall, Railroad Avenue, Patchogue. On the agenda will be regular business, committee reports, the president's report and nomination of officers.

Only the Name Has Changed

The Public Relations Office has assumed a new identity: The group, located in Buildings 134 and 184, has been renamed the Public Affairs Office.

Though the name has changed, everything else remains the same. Headed by Public Affairs Manager Anne Baittinger, the same staff continues its diverse duties, which include:

- publishing the *Brookhaven Bulletin*, the *Brookhaven Highlights* and other informational material.
- responding as quickly and accurately as possible to inquiries from the public, the news media and the Laboratory community.
- conducting tours of the Laboratory, year-round.
- encouraging young achievers through programs such as the Model Bridge Contest and the Elementary School Science Fair.

CREF Values

January $33.54 February $34.99
March $36.02
April $36.02

Weight Watchers

When summer comes, most people hit the beach for a swim and a tan. If you wish to look and feel better as you play in the surf and lie in the sun, join the on-site Weight Watchers (WW) group. A new session, which will meet every Wednesday from 5:15 to 6:15 p.m. for eight weeks, begins on June 3.

New members pay only half of the summer promotional fee of $50; the Laboratory pays the other $25. Continuing Weight Watchers pay $50, $10 less for the summer than WW's usual fee. To register, send your check and a note, listing your name, Lab address and extension to Health Promotion Specialist Elaine Friedman, Bldg. 490. Or you may register in person after 5 p.m. on June 3, in the conference room of Bldg. 535.

In Memoriam

Retiree **Clarence M. Turner** died on March 18, at the age of 75, in Port St. Lucie, Florida, where he had moved in 1979.

Turner joined the BNL staff in August 1949, as an Associate Physicist in the Van de Graaff Generator Group. When he left the Lab, in May 1974, he was a Senior Physicist with the Accelerator Department.

He is survived by his wife Jessie, of Port St. Lucie; a son, Edward, of Albany, New York, a daughter, Virginia, of Moutain View, California; three brothers — Paul, of Richmond, Indiana; Albert, of Osprey, Florida; and Alden, of Indianapolis, Indiana; and two grandchildren.

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G. Norris Glasoe died in Sun City, Arizona, on May 8, at the age of 84. A former Assistant Director of BNL, Glasoe had left Bellport to retire in Arizona in 1972, after leaving the Lab in June 1969.

Glasoe first came to BNL in June 1951, as a Visiting Senior Physicist. He joined the permanent staff in July 1952 as a Physicist and became Associate Chairman of the Physics Department in August 1952. In May 1962, he was appointed Assistant Director for Technical Services.

He is survived by his wife, Nora, of Sun City; a son Paul, of Bethesda, Maryland; a daughter-in-law, Donna Glasoe; two brothers, Alf, of Rochester, New York, and Paul, of Springfield, Ohio; and three grandchildren.

On the Run With Peter Boni

Two weeks ago, Peter Boni, Physics, came to work Monday morning, as though nothing had happened. "I had muscle ache in my calves," admits Boni, 33, a member of the BNL Roadrunners Club, "otherwise, I felt great."

He should have — the day before, Sunday, May 3, he had run 26.2 miles in 2 hours, 31 minutes and 16 seconds, placing third in the Newsday Long Island Marathon. For this, Boni has been awarded a plaque.

Twenty minutes before the 8 a.m. start, he lined up in the second row, in an area marked "Under 6 minutes per mile." Boni and his competitors ran the first mile in 5:07 minutes — "40 seconds faster than I should have run. I had to slow down," says Boni.

His schedule was to run 5:50 minutes per mile. "My inner watch is very good, but I checked my watch with each mile anyway. I was on schedule, and running steadily and comfortably."

After the majority of the field turned off to complete the half marathon, Boni was left "alone. I was tenth at this point, and I saw one runner about 200 yards ahead. Anyone who can run a marathon runs the first half well — the real racing begins in the second half."

After 15 miles, Boni passed that runner and then another two. Then another one was disqualified because of a wrong turn. Next, Boni ran down three more between the 18- and 20-mile markers. "The first and second runners were world class, figuratively miles ahead of me. I knew I could not catch them because they weren't slowing down."

Reports Boni, "Only one runner who I greeted in passing answered me. I knew that if he could talk, he had to be tough." Boni's friendly competitor tagged along one minute behind him, reminding Boni, "The race wasn't over yet — I still had to finish the job." He did — a job well done.

BNL's latest competitive running success began running in his native Switzerland six years ago while writing his Ph.D. thesis. "When I was a child, my parents had to push me out of doors — I just wanted to stay inside to read books or do electronics," explains Boni.

Photo by Mort Rosen

Peter Boni

"I never did sports until I was 20, when I took up bicycling. Switzerland is a small country, so you can see a lot in a reasonable amount of time and get good exercise going up and down the mountains. While finishing my Ph.D., I started to run during lunchtime with my collaborators."

In 1983, Ph.D. completed, Boni who is now an Associate Physicist, came to the lab as a post-doc in Physics' Neutron Scattering Group. Finding Long Island too flat, monotonous and dangerous for bicycling, he ran on site at lunchtime. "I would meet Jerry Hastings (a BNL Roadrunner in the National Synchrotron Light Source Department) on the road, and he would say, 'Come run with us,' but it took me a while before I did."

Soon, he began running every working day with Hastings and other Roadrunners. Comments Boni, "When you run with a group, you are in competition with the other runners. In the U.S., everything involves competition, everyone is competitive. I feared competition. Though I didn't like it, I got used to it. When I realized that I do very well, I found competition to be fun."

He entered his first formal competition in the U.S., a 10 kilometer, or 10K, race, in April 1984, and ran it in 36.20 minutes. "I was astonished how well I did — and I knew I could do better," says Boni. Using the advice, encouragement and companionship of Hastings; Terry Sullivan, Department of Nuclear Energy; Trevor Sears, Chemistry; and other club members, Boni ran faster and longer — including marathons

Explains Boni, "I have to run distance — I do not have natural speed. My favorite distance is five miles: I feel that it is long enough that I can get going, yet short enough that I can go as fast as I can. Five K is too short — and I'm too slow at the start and finish. Ten K is too fast for too long a distance — my body takes a pounding. I don't feel so beaten up after a marathon."

Boni had entered five marathons before Newsday Long Island, completing four. His first was in Switzerland in 1982, which he ran in 3:16. "I was undertrained and lucky," he says. He was not so lucky in his second attempt at 26.2 miles. "This time, I was overtrained: I had run distance until the day before. I was exhausted, so I had to give up."

But he did not give up marathoning. In 1984 and '85, Boni ran the New York Marathon, in 3:00.21 and 2:48.41, respectively. "New York is my favorite — it has the best atmosphere, the most people. When you run through a city, you see, hear and smell what you would normally not because you can go where you usually would not. When the weather is good, the people can come out on the sidewalks, and life comes back to the city." He also ran in the 1986 Boston Marathon, in 2:40.34.

He begins his preparation eight weeks before the race date. He starts running on weekends, in addition to weekdays, and increases his mileage from 40 miles per week to 70. Ideally, Boni likes to get in up to 100 miles during his last two weeks of training — "at least one-third the marathon distance per day. For this marathon, I was able to do this, and I think that is why I never hit the so-called wall."

Adds Boni, "After each marathon, I say, This is the last one,' but each one has been faster than the last, so I'm not going to quit until I stop getting better." — Marsha Belford

Runners' Corner

The annual BNL Twosome Five-Mile Race will be held on site on Sunday, May 24, at 10 a.m. Runners can register the day of the race as follows: $15 per couple with T-shirts, $7 without; $8 per individual with a shirt; $4 without. Spectators and volunteers are welcome too. For more information, call Dean Chapman, Ext. 4744.

Swim Club

Come to the ultimate and fastest Swim Club practice of the indoor season on Thursday, May 28, at 5:15 p.m. at the BNL pool. The workout will feature sprints, reps and relays. For more information, call Marsha Belford, Ext. 5053.

Shopping Spree

Brookhaven Women in Science (WIS) is sponsoring a trip to several factory outlets in Reading, Pennsylvania. The spring shopping spree will take place on Saturday, June 20, and the cost of $16.00 per person includes round trip transportation from BNL to Reading. The bus will leave from BNL at 5:30 a.m. and return here at 9 p.m. For more information or to sign up, contact Mary Ann Castrogivanni, Ext. 3898, Bldg. 535A.

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Benefit Statements In Mail Next Week

Next week, all regular and eligible part-time employees will receive annual statements of their present insurance and retirement benefits. The statements will be sent to their home addresses.

The purpose of this statement is to provide employees and their families with a better understanding of their AUI benefits and to insure that their insurance coverages and beneficiaries are correct and up-to-date.

The statement reflects each individual's various group insurance coverages (premiums, beneficiaries, disability benefits), and AUI and employee contributions to the retirement plan.

BERA Board Picks Officers

The BERA Executive Board, which includes trustees Haskell Frei, Lois Marascia, Rosalie Piccione, Richard Scheidet, Sharon Smith and Doris Terry, recently held a meeting to elect officers for the coming BERA fiscal year. Results were as follows:

President ..... Richard Scheidet
Vice President .... Rosalie Piccione
Corresponding Secretary ..... Lois Marascia

Also during the meeting, Patricia Manzella and Elliott Levitt were appointed Association Recording Secretary and Treasurer, respectively.

AACC Dinner Dance

The Afro-American Culture Club will hold its annual Installation/Dwight C. Brown Memorial Scholarship Award Dinner Dance on Saturday, June 6. The affair will be held in the Recreation Bldg. from 7:30 p.m. to 2 a.m. The ticket price of $25 includes a cocktail hour from 7:30 to 8:30, dinner, and music by The Mechanics. For ticket information, call Rosa Palmore, Ext. 2064, Bruce Penn, Ext. 7213, or Fran Ligon, Ext. 3709.

Camera Club

The next meeting of the Camera Club will be Wednesday, May 27, at 5:30 p.m. at the Recreation Bldg. A discussion about antique and unusual cameras is planned. New members and visitors are always welcome.

The Camera Club meets on the fourth Wednesday of each month at the Recreation Bldg. For more information on the club, contact Lew Jacobson, Ext. 5193.

Group Meeting: DEC Local Users

Harold Berry of the Applied Mathematics Department will give a presentation on the recently acquired IBM 3090-180 at the next meeting of the Upton Local Users Group for DEC computer users. The meeting will begin at 11 a.m. on Wednesday, May 27, in Room B, Berkner Hall. For more information, call Zohreh Parsa, Ext. 4748.

Astronomical Society

The observatory will be open this evening at 8 p.m., if skies are clear. We will be viewing galaxies and clusters. Admission is $1 for non-members of the Astronomical Society. Those interested in attending should call Rick Jackimowicz, Ext. 3803, or Bob Mills, Ext. 5043. The rain date is next Friday, May 27.

Cooking Exchange

An international breakfast will be presented at the next and final spring 1987 meeting of the BNL Cooking Exchange on Wednesday, May 27, at 12:30 p.m., in the Recreation Bldg. For $1.50, those present are entitled to food samples and copies of the recipes prepared. Babysitting is available at 50¢ for each child.

New members are needed for next year's Cooking Exchange Committee. If you wish to become a member, please contact Kathy Barr, 924-0570 or any other committee member.

Softball

Week of May 11

League III

Snakebites 21 - Source 4
Farm Team 9 - Foul-Ups 8
Survivors 20 - Septembers 12
Kidz-R-Us won - Mole-Esters forfeit

League IV

Underalls 7 - Who Cares 5
Spacekadets 19 - Turkeys 3
Mudville Sluggers 12 - No Feedback 11
Simply Awesome 14 - Hit 'n Run 7

Equipment Demos

A blue, 60-foot "Labmobile" from the Loctite Corporation will be located in the Berkner Hall parking lot on Friday, May 29, from 9 a.m. to 3 p.m. for three sessions, beginning at 9 a.m., 11 a.m. and 1 p.m.

Loctite produces adhesives and sealants. The representatives will discuss their products' physical characteristics and applications, which range from locking and sealing threaded assemblies to gasketing flange assemblies.

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A representative from Ironics, Inc., will give a demonstration and seminar on real-time VME bus multiprocessing solutions and the use of DMA to maximize throughput over the VME bus. It is scheduled for Friday, May 29, from 10 a.m. to noon, in the conference room of Instrumentation, Bldg. 535. All those interested in attending should call Dolores Rutkowski, 935-6600.

Arrivals & Departures

Arrivals

John G. Braband ..... Plant Eng.
Ronald C. Johnson ..... AGS
Edward J. O'Brien ..... Physics
Lisa A. Restagno ..... DNE
Thomas S. Timko ..... Plant Eng.

Departures

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

Wayne H. Brush ..... Sfgrds. & Sec.
Michael Drew ..... Plant Eng.
Jacob Pruzansky ..... DAS

Note to Diners

The Brookhaven Center will be closed the Sunday preceding Memorial Day, May 24, and will reopen Monday evening, May 25. The Cafeteria will be open from 9 a.m. to 2 p.m., Saturday through Monday, May 23-25. Vended food services in Building 912 will be in continuous operation.

Cafeteria Menu

Week of May 25

Monday, May 25
Snack bar service only
9 a.m. to 2 p.m.

Tuesday, May 26

Southern beef vegetable soup	(cup)	.75
	(bowl)	.95
Stuffed peppers w/1 veg.		2.75
Baked ziti w/1 veg.		2.75
Hot vegetable plate (lite-weight)		2.25
Hot deli: Corned beef	(bread)	2.45
	(roll)	2.55
	(hero)	2.65

Wednesday, May 27

Minestrone soup	(cup)	.75
	(bowl)	.95
Braised liver & onion w/1 veg. (lite-weight)		2.85
London broil w/1 veg.		2.95
Hot deli: Roast beef	(bread)	2.45
	(roll)	2.55
	(hero)	2.65

Thursday, May 28

Beef barley soup	(cup)	.75
	(bowl)	.95
Fried chicken w/1 veg.		2.85
Meat loaf w/mushroom gravy & 1 veg.		2.75
Hot deli: Turkey	(bread)	2.45
	(roll)	2.55
	(hero)	2.65

Friday, May 29

Boston clam chowder	(cup)	.75
	(bowl)	.95
Beef & broccoli stir-fry over rice		2.85
Broiled fish w/1 veg. (lite-weight)		2.95
Hot deli: Pastrami	(bread)	2.45
	(roll)	2.55
	(hero)	2.65

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.

SCIENTIFIC POSITIONS OPEN: The following staff positions are open. Candidates may apply directly to the department representative named, or through the Office of Scientific Personnel, Ext. 7813.

CHIEF MECHANICAL ENGINEER - to be responsible for the design, installation and commissioning of machine components for the Relativistic Heavy Ion Collider. Contact E.B. Forsyth, Accelerator Development Department.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

2610. FISCAL OFFICER - Will be responsible for administration, coordination and supervision of all fiscal activities for the Laboratory. Requires a bachelor's degree in accounting, and ten or more years in an accounting organization. A CPA is highly desirable. Additional requirements include excellent analytical and communication skills, supervisory experience, knowledge of computerized systems, and an in-depth knowledge of Laboratory policies and procedures. Please submit resume to Marsha R. Kipperman, Personnel Division, Building 185. Fiscal Division.

2611. SYSTEMS/DP/POSITION - Requires BS in computer science or appropriate field and a minimum of 3-5 years' extensive professional experience on the use of IBM-PC's and compatibles. Skills should include: knowledge of database systems, DOS operating systems and local area networking. Should be familiar with several of the following: Lotus 1-2-3, Wordstar, dBase, R-Base, Word Perfect. Experience with micro COBOL and BASIC a plus. Excellent communication skills and a talent for teaching is very desirable. Responsibilities include training, PC support, design and implementation of PC-based applications, LAN installation and administrative and micro-mainframe connectivity. Management Information Systems Division.

2612. PROGRAMMING/ANALYST POSITION - Requires BS degree in an appropriate field and several years' experience in various aspects of system design and programming. Working knowledge of HP-3000 hardware and experience with IMAGE, V/3000, KSAM and MPE very desirable. The ability to work with others in a project/team environment and excellent communication skills are necessary. Will design, code and document business applications on HP-3000 and work closely with persons involved in ultimate use of these applications. Management Information Systems Division.

2613. TOUR GUIDES - Will staff Sunday summer tours of the BNL Exhibit Center/Science Museum. Training days: 7/6-10; Tours: Sundays only; 7/12-8/30. Requires ability to speak well in front of large groups. (Reposting of Job No. 2608). Public Affairs, Director's Office.

2614. TECHNICAL POSITION - Requires AAS in electronic technolooy or equivalent experience with knowledge of accelerator operations. Will be responsible for the safe, efficient operation of the NSLS machines. Knowledge of computers, microprocessors, high power DC and RF equipment is desirable. Must be willing to work on a rotating shift schedule. (Reposting of Job No. 2553). National Synchrotron Light Source Department.

Autos & Auto Supplies

CHEVY - (2) cylinder heads, early power pack, V8, $50/pair. Dan, Ext. 4987 or 698-7322.

80 CHEROKEE JEEP - 41k mi., orig. owner, 4 WD, 360 V8, excel. cond., $5,500. 286-0372.

76 CADDY COUPE DeVILLE - excel. cond., runs well, 70k mi., new parts, $2,000. Max, Ext. 5094 or 928-6041.

84 DODGE ARIES - 4 dr., p/s, p/b, a/t, a/c, am/fm, 40k mi., runs well, reliable, $3,900 or best offer. 981-7715.

72 PLYMOUTH - full-size station wagon, runs well. Ext. 2022 or 744-8386.

79 HONDA CM400T - excel. cond., crash bars & luggage rack. 929-5945 after 6 p.m.

39 PLYMOUTH - 2 dr. sedan, runs well, orig. owner, $2,100. Frank, 399-4480.

TRAILER HITCH - class A, was on Ford, $20. Ext. 2514 or 757-3178 eves.

71 KARMANN GHIA - runs well, needs body work, new parts, $500. Ext. 2109 or 725-9010.

68 CORVAIR - 2 dr., hardtop, 110 h.p. engine, runs well, $850. Ext. 3046.

PLYMOUTH - V8 radiator, $10; 7-blade fan, $5; Dodge van window w/gasket, $25. Frank Rumph, Ext. 5105.

71 MGB-GT - runs well; 77 MGB, best offer. Ext. 2218 or 929-8300.

77 ELDORADO - new tires & exhaust system, am/fm stereo cass., good cond., must see. Ext. 7732.

YAMAHA MOPED - excel. cond., $300. or best offer. Ext. 7156 or 751-3223.

79 DODGE OMNI - 4 dr., hatchback, a/t, stereo, 60k mi., great cond., $1,200. 563-3925 after 7 p.m.

73 VOLVO 144 - 4 dr., 4 cyl., 4 spd., fuel injection, repair manual, $300. Ext. 2366.

80 PONTIAC PHOENIX - 4 dr., hatchback, a/t, excel. cond., $1,200. 929-3924.

78 FIAT X 1/9 - runs well, needs clutch, restorable or good for parts, asking $375. Ext. 4688 or 667-2815.

77 CAMARO - V8, a/t, black; 73 Capri, stand., decor group, many new parts; 79 Pontiac Sunbird, must sell. 744-0725, eves.

78 AMC CONCORD - a/t, p/s, recent brakes, exhaust & battery, 67k mi., am/fm cass., asking $1,400. Beeper 266 or 281-0360 after 6 p.m.

SHOP MANUALS - complete set for 1984 Ford truck, $20. Al, Ext. 7588.

71 CHEVY MALIBU - 2 dr., 307, a/t, p/s, orig. owner, $450. Gordon, Ext. 3216.

80 DATSUN - hatchback, a/t, 4 dr., good engine, $700. 928-8522 after 6 p.m.

86 OLDSMOBILE - Cutlass Cierra Brougham, loaded, $9,000. 399-1868.

81 PLYMOUTH CHAMP - a/t, 62k mi., excel. cond., orig. owner, $1,700. Ext. 2344 or 751-4254.

DODGE-318 - motor & parts, excel. cond. Skip, 727-6369 after 5:30 p.m.

79 MAZDA RX-7 - silver, 4 spd., am/fm cass., excel. cond., must sell, $3,500. neg. Ext. 2949 or 427-2435.

81 VOLVO DL - 2 dr., mustard, good cond., 6 new tires, cruise, a/c, 67k mi., asking $5,200. Linda, Ext. 7745 or 878-2844 eves.

CAR STEREO SYSTEM - factory 83 Camaro unit, 4 speakers, ext. equalizer booster, sounds good, $75. complete. Tom, Ext. 4084 or 878-1060.

70-72 DUSTER DEMON DOORS - $20/each; 70-76 windshield, $20; 64 Ford Mustang, 6 cyl., 200 c.u. short block, needs rebuilding, $50. 727-3608.

MIRRORS - & frames, West Coast, off Ford truck; 2 sets truck rims, 15"x7", spoke, 5 lug; 1 set w/10.5 LT/15 tires. Ext. 2075 or 473-4937 after 6 p.m.

TOYOTA RIMS - (2), 14", 2 175SRH, radial tires, 1 temp. tire, no reasonable offer refused. Tony, 928-7993.

Boats & Marine Supplies

DOCK SPACE - available, Center Moriches. 878-8177.

19½' BAYLINER - Capri Bowrider, 1984, Volvo I/O, trir., Coast Guard & ski equipment, full canvas, all covers, many extras, $7,800. Ext. 2981 or 473-7809.

81 FIBERFORM - cruiser, sleeps 5, FWC, & aft. berths, 200 h.p., f.w.c. Volvo, loaded, top cond., 654-5888.

23' INBOARD CRUISER - 2 berths, cuddy, fully equipped, 225 h.p. FWC Chrysler, excel. cond., $6,900. Carl, 286-0271.

20' GLASTRON - fiberglass, no motor, full canvas, $990. Jim, 298-8805.

15' WOODEN RUNABOUT - w/7½ Merc outboard, needs some work, $100. Frank, Ext. 2022 or 399-4480.

83 BAYLINER - 85 h.p. Chrysler, Galvo trailer, low hours, $4,500. Ext. 2951 or 399-3415 after 6 p.m.

23' F/G SLOOP - sleeps 4, head galley & dinette, 6 h.p. Ev., dinghy, 3 sails, in water mooring pd., very good cond., $5,000. Ext. 4605 or 938-8353.

19' SPORTCRAFT CUDDY - 69, new Bimini top & seats, walk through cabin, needs transom work, 90 h.p. 1979 Mercury, $2,500. 878-8177.

30' COLUMBIA II - dual controls, f/water cooled, V.H.F., d/finder, swim platform, $15,000. neg. Jack, Ext. 2021.

Miscellaneous

RANGE - GE, avocado, $50; refrigerator, 17 cu. ft., avocado, good cond., $200. 928-1209.

REFRIGERATOR - copper, 16 cu. ft., good cond., $60. Noreen, 737-2678.

REDWOOD CHAISE - hardly used, reasonable price. 473-8146.

MOVING SALE - 13" color TV, vacuum, bed, typewriter, humidifier, skies, etc. Max, Ext. 5094 or 928-6041.

MOVING SALE - furniture, toys, games, books, much more, 928-5737 after 7 p.m.

KENMORE REFRIGERATOR - 6 cu. ft., very good cond., $100; 13" color TV, 2½ years old, $95. 246-9282.

REFRIGERATOR - 24 cu. ft., side-by-side, harvest gold, $200. Frank, Ext. 3976 or 399-1307.

FURNITURE - loveseat, 3 dressers, beds, headboards, matresses, boxspring, frames, much more, good cond., best offer. Charlie, Ext. 3950.

SEARS MOWER - 10.5 h.p. ride-on, w/spare parts, 8 yrs. old, best offer. Ext. 2109 or 283-6409.

SUBURBAN GARDEN TILLER - $60; sweatless water tank & jet pump, $10. 286-8521 after 5 p.m.

GAF XL251 MOVIE CAMERA - excel., $40. 744-9677.

ROWING MACHINE - Precor model 612, almost new, $175. Sandy, Ext. 3369 or 286-1022.

BOY'S FOOTBALL PADS - (2), $20; ping pong table, foldable, $20; child's desk, $10; boy's bicycle, needs work, $10. Ext. 2487 or 928-0930.

25" COLOR TV - w/Colonial cabinet & (2) matching end table, price neg. 286-4145.

KING SIZE MATTRESS - & box spring, Simmons Maxipedic, new, cost $599., sell for $450. Barbara, 744-0960.

WINDOW AIR CONDITIONER - $75; stereo speakers, 60 watt, $50/each. Frank Rumph, Ext. 5105 or 981-2529.

19" TV - b&w, Zenith, $30; 40-channel CB, Realistic One-Hander, $25. 929-4326.

PINE TABLE - chairs, club chairs, sofa, excel. cond., priced low. 751-1761 eves.

26" BICYCLE - 5-speed, Iverson Grand Touring, women's, like new, trade for 24"-25" similar. Irene, 732-4340.

FISHER COMPACT DISC PLAYER - AD-8L3, $110; Fisher Compact Stereo System MC-715, $140. Ext. 7901 or 821-9328.

SOFA & TWO ARMCHAIRS - $250; double bed, $80; bookcase/wall unit, $60. Ext. 7734.

WINDOW - w/storm, double hung, center picture, 8'8", excel. cond. 924-4749.

SEARS LAWN SWEEPER - $20; pole lamp, $35; (2) chandeleirs, $35. Henry, 878-0874.

SOFA - 84", green velvet, good cond., $100. 924-3581.

SEARS LAWN MOWER - 20", best offer; manual typewriter, $20. Ext. 4341 or 475-4005.

RIDING LAWN MOWER - electric starter, 8 h.p., w/grass catcher, $650. Tom, Ext. 7919.

SWIMMING POOL - 18'4' round, Coleco ¾ h.p. pump, sand filter, accessories, $250. 751-8240 eves.

PIANO - old, good for beginner, $200. Barbara, 744-0960.

BICYCLES - Ross, 3-speed, 26" Eurotour, (2) women's, (1) men's. 286-2287 after 6 p.m.

MATTRESS - w/boxspring & frame, full size, excel. cond., $50. Tony, 698-9274.

Car Pools

PATCHOGUE - van pool, seat open, leave name and number. Ext. 4669.

EXIT 52 - park and ride lot L.I.E., 8:30 to 5:00, 4th member. Mario, Ext. 4546.

OAKDALE/BOHEMIA - would like to form car pool. Frank, Ext. 2314.

MOUNT SINAI - form or join existing car pool. Maurice, Ext. 2487.

L.I.E. EXIT 54 - Wicks Rd., driver needed for 4-person car pool, 8:30 a.m.-5 p.m. Mike, Ext. 2705.

COMMACK - 8:30 a.m.-5 p.m., on-time car pool, needs additional driver. Ted, Ext. 4030.

Free

KITTENS - available 5/24, can deliver. Garfield, Ext. 2022 or 399-4480.

MALTESE - female, 2 yrs. old, spayed and shots. 732-4224 after 5 p.m.

GREAT DANES - 1 male, 5 yrs. old, 1 female, 2½ yrs. old, need fenced in area & lot of loving, good watch dogs, gentle. Al, Ext. 3992 or 331-1003.

Yard Sales

ROCKY POINT - May 25, 30 and 31, 5 Grant Street, close to Rt. 25A.

CENTER MORICHES - 121 Union Ave., Saturday, May 23.

MORICHES - 5/16, 9-4 p.m., 1 Crystal Beach Blvd., rain date 5/23.

Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed, sex or national origin of the applicant.

For Rent

N. SHIRLEY - lg. furn. studio apt., w/kit., pvt. ent., util. inc., 1 person only, non-smoker, no pets, 5 min from Lab & stores, security, $425/mo. pays all. 281-8044.

HILTON HEAD, SC - 2 bdrm. condo, sleeps 6, beach, pool, tennis, golf, many extras, some summer openings; taking fall rentals, $400/wk. 585-9149.

CALVERTON - 2 bdrm. condo, 1½ baths, f/p, patio, central a/c, 5 appliances, 2-story, l/r, dining area, no pets, $690. 878-0874 eves.

ROCKY POINT - 1 bdrm. apt., pvt. ent., non-smoker, $525 inc. all. 744-8919.

MASTIC BEACH - 2 bdrm. house, l/r, d/r, kit., bath, lg. garden, $675/mo. Ext. 7734 or 395-1635.

CORAM - spacious 1 bdrm. apt., pvt. ent., w/w, a/c, laundry, heat & gas cooking inc., tennis, pool, gym room, $560 inc. all, avail 6/15 or 7/1. Max, Ext. 5094 or 928-6041.

ROCKY POINT - small 1 bdrm. cottage, good for 1 person, 15 min. from Lab., 1 block from beach, $400. 922-2024.

SPRINGHILL, FL. - fully furnished, 2 bdrm. house, in fully developed community near Gulf of Mexico, 40 mi. N. of St. Petersburg, summer rates, $250 mo. + util. Ext. 4530 or 261-2719.

For Sale

POCONOS - 3 bdrm. chalet, l/r, d/r, f/m, w/wood-burning stove, kit., w/w, garage, paved roads, pools, lake, clubhouse, tennis, guarded entrances, more, sacrifice for $105,000. 286-4652.

EAST ISLIP - south of Montauk, M/D Colonial, 2 kit., 2 l/r, 4 bdrms., 2½ baths, on ⅓ acre treed property, many extras. 277-4091.

SHOREHAM NORTH - 4 bdrm. Colonial, 2½ baths, den/fp, bsmt., fenced, patio, formal d/r. 744-1750.

RIVERHEAD - 12'x55' mobile home, 2 bdrm., 1½ bath, l/r, eik, new shed, dbl. drive, corner lot in adult/55 park on Peconic River. Jeff, Ext. 2907 or 727-5915 after 6 p.m.

PORT JEFFERSON - 4 bdrm. Colonial, 2½ baths, formal d/r, center hall, den/fp, finished bsmt., ½+ acre, lovely area. 928-6389 after 6 p.m.

ROCKY POINT - 4 bdrm., 2 baths, contemporary ranch, low taxes, CAC, walk to private beach; gas heat, $149,900. Ext. 3123 or 821-1039.

ROCKY POINT TIDES - hi-ranch, 3 bdrms., 2 baths, country kit., f/r, sun room, 2-car garage, laundry rm., 32'x16' in-ground pool, sprinkler system, $159,500. 821-3709 after 5:30 p.m.

MILLER PLACE - 4 bdrm., 4 bath Colonial, formal l/r & d/r, country kit., full bsmt., office in garage. 331-1718.

Wanted

HOUSEMATE - non-smoker to share apartment, Colonial Woods, Yaphank, own room, 3 min. from Lab. Ext. 2485 or 924-0123.

ALUMNI - Huntington, class of '37, for 50 yr. reunion. 581-3576 or 427-2787.

BASEBALL CARDS - good cond. Jim, 467-5343 after 5:30 p.m.

LAWN MOWER - old gas, complete not running, $5/ea. Dan, Ext. 4987 or 698-7322.

PEOPLE - interested in renting Paris apt., July or Aug. Sherie, Ext. 5386 or 286-0925.

MATH TUTOR - for 10th grader, preferably Bellport region. Liz, Ext. 2346 or 286-8563.

RIMS - (2) for Ford Fairmont, 14", 4 lug. 929-3251, eves.

DIRECTOR'S CHAIRS - (2), good cond. 473-8694, eves.

TEENAGER - Spanish speaking for summer exchange w/teenager from Spain. Ext. 2645.

HOME - for dog, Bishon Frishe, fixed male, 5 yrs. old, needs kids and space. 363-7286.

REPAIR MANUAL - for 1981 Peugeot 5050 Turbo Diesel. Shu, Ext. 3499.

Ads left out of this issue due to lack of space need not be re-submitted to appear in the next issue.