BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

Assisting With Safeguards: Assignment Vienna

Delectable chocolate torte; crisp, golden cutlets of veal; ravishing waltzes — these are some of the better-known specialities of Austria's capital. Equally interesting, however, is another aspect of Vienna.

Located on the outskirts of the city is the headquarters of the International Atomic Energy Agency (IAEA). The long-standing concern of many countries about the potential misuse of nuclear energy has centered there. The result has been a large organization heavily concerned with verifying that nuclear materials and installations worldwide are kept in peaceful use.

At BNL, the task of the International Safeguards Project Office (ISPO), in the Department of Nuclear Energy, is to manage a special Program of Technical Assistance to IAEA safeguards (POTAS). It was set up in 1976 by Congress through the U.S. State Department and U.S. Department of Energy.

To smooth the relationship between IAEA and ISPO, there exists the permanent post of Liaison Officer in Vienna. In September, Ann Reisman, a Project Manager in ISPO, will assume the post, which is currently held by Calvin Solem.

Reisman described ISPO's relationship with IAEA. "About 200 inspectors are in the forefront of the IAEA safeguards effort. The BNL office helps their technical and support staff ensure that inspection is as complete and professional as possible.

"Inspectors travel constantly to check on nuclear facilities in the over 100 countries that have agreed to be inspected," Reisman continued. "The inspectors spend approximately one-third of their time on the road. They can be sent out to inspect at very short notice. For example, whenever or wherever a fuel shipment is scheduled, IAEA will be notified. If the shipment is considered important, someone will be dispatched to verify the quantity and quality of material and to report back to Vienna."

Verifying material is made more certain by the great variety of specialized instruments becoming available. Measurements usually have to be made while a facility is in operation and must not change or damage what is being measured. Instruments have to be completely reliable, as there may be nowhere to repair them nearer than several countries away. Some instruments, such as surveillance cameras, must work unattended for long periods between inspections, withstand widely different environments and be tamperproof.

Mort Rosen

Ann Reisman

Mort Rosen

Mary White

Where ISPO Comes In

"This is where United States technical assistance comes in," said Reisman. "The IAEA lets ISPO know of any new or improved instruments and systems that they think would be helpful in safeguards work. We evaluate the requests, write them up, then submit them to the Technical Support Coordinating Committee in Washington, D.C. If the request is funded, we find the appropriate technological expert or contractor to carry out the project. Since very little in development funding goes to our group, we can be close to the situation, yet remain unbiased.

"At this stage, our role becomes less active," Reisman added. "We put the IAEA and the technology expert in direct contact. However, general progress and deadlines are still monitored by our office. We make sure that it's the needs of IAEA that direct the technological approach. Before POTAS came on the scene, IAEA was often obliged to take what was available, then try adjusting it."

Reisman explained that each member of ISPO is responsible for a number of POTAS projects from start to finish. "Keeping in close touch with all the people involved is the best way to make sure that the results of the project will meet Agency needs." she said.

The Liaison Officer's Role

It was IAEA and ISPO's recognition of the importance of the role of personal contacts in improving communications that resulted in the post of Liaison Officer. The post is not stationed at the IAEA building itself, but at the United States Mission to the IAEA, which is headed by its own Ambassador, demonstrating the U.S. commitment to the ideals of the IAEA.

The aim of the Liaison Officer is to help the IAEA explain to U.S. contractors exactly what is needed to make the inspectors' job more effective, and to smooth IAEA/ISPO communications generally. The position is usually held for two years.

"And I shall be going over in late September," said Reisman. "It is completely different from anything that I have done before, and I am looking forward to it."

To prepare for her new assignment, Reisman spent last October at the IAEA in Vienna. "I was able to talk to many of the people with whom I'll be involved, and see some of the ways in which computerized information is used," she recalled. "The most important preparation, though, was being able to attend the first half of the introductory course on agency safeguards, which is taken by all new IAEA inspectors. Since their needs are one of the main reasons ISPO exists, the more one knows about their work problems, the better."

From the training, Reisman learned

(Continued on page 2)

Tale from the Vienna Workshop

The delights of sampling Sacher torte or Wiener schnitzel, while listening to the music of Strauss, were of only secondary interest to another BNL visitor to Vienna last year (see accompanying story). Mary White, Personnel Division, traveled as a consultant to the International Atomic Energy Agency (IAEA) to set up a Team Development Workshop for managers of the Agency's Department of Safeguards (DSG).

IAEA, the world's verifier of nuclear materials and installations, maintains smooth operations with expert advice in areas such as data management, software packaging, equipment maintenance — and management development. White, a Management Training Specialist, was recommended to IAEA's DSG by Leon Green, Head of the International Safeguards Project Office.

"The idea for the Team Development Workshop was the result of in-house management studies by the DSG in the early 1980's," said White. "Joseph Danclovic of Sandia National Laboratory piloted the first workshop, held in the fall of 1984. I was asked to redesign the workshop, taking into account the changes in focus and organization that had taken place in the DSG since 1984."

White's first step was to meet with the head of DSG training for a briefing, then to get as much additional information as possible about the needs and interests of the organization through informal discussions with other managers. She decided that participants in the original 1984 workshop would benefit from a one-day reinforcement program.

"Their interest in team building would be renewed, and I would gain additional insight into present-day concerns. Also, I'd be able to test some of the new material that I was planning to use in the workshop itself," said White.

The Team Development Workshop was held in November. A strong component concentrated on creative and investigative problem-solving and negotiating skills. Real situations in the Agency were the focus of discussions among the participants, who worked in sub-groups or "teams."

"By achieving consensus on approaches to real organizational issues, people could gain an understanding of their own management styles, as compared to those of others, and how this might affect results," explained White. "Managers who can put a point across in a way that does not antagonize others are much more likely to obtain valuable commitment from members of their staff and other groups. Very often, a minor adjustment in style or learning how to show appreciation of another viewpoint makes all the difference."

A key element of the workshop, White believed, was the concluding report to senior management by participants, who presented the new ideas they had generated for solving problems and addressing important issues. Overall response was very positive. Most participants commented that all managers should attend, and the DSG decided to continue with the workshop to ensure lasting results.

"The experience with the November group has given me a few ideas for future workshops," commented White. "I'll be going over in June to set up the next one.

"It was gratifying that the team approach and the skills developed in the workshop were recognized as applying to all divisions, whatever their specialities," continued White. "One of the most encouraging results was the interest they expressed in meeting with the former participants of the 1984 program." It was this enthusiasm, she thought, that would create a "snowball" effect of cooperative relationships throughout the department, starting with section heads and group leaders, and gathering more and more staff members.

"Of course, this workshop was custom-designed for the DSG, with its international and multicultural staff," concluded White. "But lasting success in any organization really depends on good working relationships with colleagues and staff. The principles are the same whether in Vienna or New York."

— Liz Seubert

Black History Month Profile:

Michelle Snell, MIS

Michelle Snell is a BNL success story. Since 1979, she has worked her way up the Laboratory ladder — from a high school student trainee in the Affirmative Action Office to Senior Computer Applications Specialist in the Management Information Systems (MIS) Division — while working her way through high school, college and graduate school.

"When I started here, I didn't know what I wanted to do and I didn't know a thing about computers," remembers Snell, "but the people here always encouraged me to learn and go on in school — so I did." She will be receiving her MBA from Dowling College this June.

A conversation she overheard in the Longwood High School girls' locker room led Snell from playing varsity sports to working part-time. "It was October 1979 — I was playing field hockey that season — and I heard another girl talking about the Lab's High School Cooperative Program. I had never heard of it before," Snell recalls.

During the school year, the High School Coop Program provides half-day, clerical and technical on-the-job training for socially and economically disadvantaged students from Bellport and Longwood High Schools. Snell was accepted — and the Personnel Division points her out to today's Coop students as one of the program's successes.

Since she was taking secretarial courses, Snell was hired as a clerical office worker, assigned to the Affirmative Action Office. "There were no word processors, no personal computers, just a lot of typing and answering the phone," says Snell. She worked there during her junior and senior years — summers too, full time, as part of the Lab's Youth on Campus program.

She continues, "The office had a family atmosphere — they encouraged me to get involved with their business. Whether they were preparing for a meeting with the NAACP or meeting with an employee, I got involved — so I met a lot of people and learned a lot.

"When I started work, I thought I'd just finish high school, but Harvey Thomas [former Assistant to the Director for Affirmative Action] and Frances Ligon [Administrative Assistant, Affirmative Action] kept telling me I shouldn't waste a good mind — that I should go on to college." The late Deputy Director Warren Winsche also counseled Snell to pursue higher education.

"Though my parents encouraged me to go, I hadn't considered college, but after meeting BNL semester and summer students through the office, I thought to myself, 'They aren't so special — maybe I can go to college too.' "

Photo by Peter Horton

Michelle Snell

In deciding to go to Suffolk County Community College, Snell knew she would have to work too. Wanting to introduce her to a new field, Thomas helped Snell find a job in MIS, where she worked 20 hours a week as a key punch operator. "At first I was annoyed at Harvey and I missed everyone else," admits Snell.

Her first semester, she didn't take a computer class, "but second semester I said to myself, 'Why not — I work with them, I might as well learn about them,' " recalls Snell. Once enrolled in her first of many computer courses, she was glad she worked where she did — "I had access to all I needed — computers and tutors."

In 1983, Snell was graduated with an associate's degree in Business Administration and promptly enrolled at the State University of New York College at Old Westbury to earn a bachelor's degree in Management Information Systems.

"MIS offered me a job in operations, 32 hours a week — different hours every day of the week, different hours each semester, depending upon my schedule. I had a very full schedule and courses to make up because I had changed my major. I am thankful that Bob Bacharach [MIS Manager] and Bob Jansson [MIS Operations Supervisor] and everyone else for whom I have worked were so encouraging and accommodating."

During her last semester, a full-time position was posted for a MIS technical writer to do documentation and training. "My friends said, 'You're not going to get it — you're not done with school yet,' but I applied anyway," says Snell. She was hired. "I was graduated on a Sunday and started that Monday — no summer vacation, but then I haven't had one in years."

She did have a vacation that summer, however — from school. "I felt funny being off, so it felt good to go back that September," comments Snell. Taking advantage of the Lab's Tuition Reimbursement Program, she went nights, summers and intersessions to Dowling College for her Master of Business Administration — "that was the only way I could do it in two years."

She'll be graduated in June — and then married in August, to Wayne Cummings, Plant Engineering. Says Snell, "I've known him for six years, and he has helped me through the whole time. If he wants to go back to school, I'll be there for him."

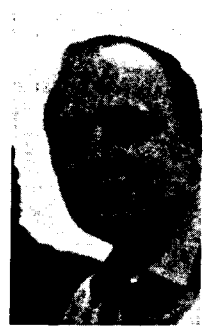
In her present position at the Lab, Snell trains other employees in the use of such MIS programs as IPAP and JCARS, writes program documentation and acts as a liaison between MIS program users and the programmers. Says Snell, "I like my job — and I am making the most of it. I know that if you take the initiative, learn and work as much as you want to, then you can turn anything into what you want. When you do well, people appreciate your effort."

She adds, "My experience as a Coop student in the Affirmative Action Office has helped a lot on the job, as well as in school. It made me conscious of the importance of work, of doing a good job — of being on time, dressing appropriately, having the right attitude and style, and all that goes along with doing a professional job."

Concludes Snell, "When Harvey Thomas retired last year, I thanked him. He said that I had had it in me all along and that all I need from him was a little push. I said, 'Maybe so, but by pushing me in the right direction, you changed my life.' "

— Marsha Belford

Physics Has New Deputy Chairman



Peter Bond, an Associate Chairman of the Physics Department since August 1986, has been named Deputy Chairman.

Bond, a physicist, started his association with the Physics Department in September 1972, in the Nuclear Structure Group, which later merged with the Tandem Research Group. His main physics interests were in the field of heavy ion-induced transfer reactions. His interests often focused on the role of spin and polarization in the reaction mechanism involving transfer and, later, fission. More recently, he has worked on the development of the first major relativistic heavy ion experiment (E802) at the Alternating Gradient Synchrotron.

While several areas in physics are in a period of growth, Bond believes that, for some time to come, the most dramatic increase in departmental activity is likely to center on the proposed Relativistic Heavy Ion Collider project.

Says Arthur Schwarzschild, Physics Department Chairman, "Peter Bond is a fine physicist with broad interests. In the short time since his involvement in Departmental administration, he has become deeply interested and involved in all aspects of the Department's varied physics programs. I am sure that he will play an important role in the development of the new and ongoing research programs of the Department. Peter is dedicated to continuing the climate that enables Department members to perform research of the highest caliber. I am very pleased that he has agreed to serve in his new capacity."

Safeguards (Cont'd)

that difficulties are not confined to technical matters. Due to concern over interference in day-to-day operations, staff at some facilities under inspection are occasionally less than welcoming to inspectors. Even so, the inspectors always have to be careful that irregularities are not overlooked.

Experts in other specialized fields often assist the staff of IAEA's Department of Safeguards [see accompanying story]. Some have come from BNL, as did Barbara Pierce and Gary Goldstein, computer technologists, who were sent to Vienna on the recommendation of ISPO head Leon Green.

"The expanding need for experts to transfer technology is a natural result of so many more complicated instruments and systems," explained Green. "Manuals are also becoming more important — we see that they are written."

Assistance programs such as POTAS are developing in other countries. A Canadian program was the first after the U.S. effort, and others followed. "We have even been able to cooperate with other countries to develop improved methods," Green said. "Recently, the U.S.S.R. expressed interest in a joint technological project. So in October we started some measurement work on Russian fuel assemblies, and other activities are being planned."

There are also plans for a joint program to be set up in the United Kingdom, using their experts and U.S. experts to train staff brought over from the IAEA.

"When ISPO was founded," remembered Green, "Congress allocated $5 million to be spent over five years. In the first year, 1977, 50 tasks needed to improve technology used by the IAEA were approved. That same year, Congress approved an immediate additional $3.5 million, and the tasks were initiated. From this beginning, another $44 million has been spent over the last ten years. Now there are ten other countries in the IAEA with similar programs — it's encouraging."

— Liz Seubert

Pick a Student

Completed applications for the 1987 Summer Student Program will be available for review in Room 5-31, Bldg. 490, Medical, from February 23 through March 6.

Guidelines regarding the selection of summer students have been distributed to research department offices. If interested, please contact your department coordinator. Staff members are invited to review applications to select students who will work under their supervision from June 1 through August 7.

In Memoriam

It has been learned that **LeRoy Jefferson,** who retired in June 1973, died on February 8, at the age of 75. Jefferson came to BNL in March 1948, and, at the time of his retirement, he was a Technical Associate I with the Department of Applied Science. He continued as a consultant for several years, conducting training programs in mathematics for technicians. He lived in Bellport and is survived by his wife Elma; three sons — Eugene of Medford, William of Harrisburg, Pennsylvania, and Bernard of Medford; and six grandchildren.

On-Site Speed Survey: Too Many Hares; Too Few Tortoises

"If we were going to re-name Princeton Avenue, we could always call it Thunder Road," said Captain Robert Munoz of the Police Group earlier this week. He was referring to the results of the radar speed survey conducted recently on site.

Concern over a seeming rise in driving speed around the Lab led the BNL police to borrow radar equipment from the Suffolk County Highway Patrol. The results confirmed that, in general, driving habits on site do not comply with the Lab's 30 miles per hour (mph) limit.

Eight of the Lab's busiest traffic locations were surveyed on twelve different occasions (see chart). The lowest average speed was 34.2 mph (on North Railroad Street). The highest speeds were clocked at the main gate, outbound, where the average was 48.5 mph.

"Altogether we checked 1,700 cars — and 93 were doing over 55 miles per hour," commented Munoz. "When you remember the braking distances required at higher speeds, you realize how risky that is. Just one bad accident is one too many. We're hoping very much that the results of the survey will make people aware of the need to watch how fast they are driving and that no further steps will be necessary."

On-Site Speed Survey Sampler

Location	Date	Time	Avg. Speed (mph)
South Gate	2/6	4:30-5:15	44.5
Brookhaven Ave.	2/16	12:00-12.30	35.5
Cornell Ave.	2/10	11.30-12:00	38.0
Princeton Ave.	2/10	12:50-1:20	44.7
N.Railroad St.	2/10	1:30-2.05	34.2
North Gate	2/10	4:25-5:10	44.8
Upton Road	2/11	12:05-12:30	35.6
Main Gate (outbound)	2/12	3:15-4:15	48.5

Braking distance needed on wet pavements at various speeds, allowing a reaction time of 2.5 seconds:

Speed:	30 mph	40 mph	50 mph	60 mph
Distance:	200 feet	300 feet	450 feet	650 feet

Inside Info

Three Firefighters in the Fire/Rescue Group of the Safety & Environmental Protection Division have successfully completed the Life Safety Maintenance Inspections course conducted by the Office of Fire Prevention and Control in New York State's Department of State. **Kevin Cosgrove, Antonio Realmuto** and **Rich Richard** took the week-long course at the Academy of Fire Science in Montour Falls, New York, the last week in January. The purpose of the course is to improve the capability of BNL firefighters to make routine fire inspections as a means of reducing fire losses through good fire prevention practices. Towards this end, the firefighters received instruction in the use of report writing, codes, code interpretation and inspection techniques.

Think Spring! Call for Bike Repair

There are few things in life that are still free, but, if you act now, you can take advantage of the Supply and Materiel Division's (SMD) annual offer to pick up, repair and return any bicycles that need repair. Though it's hard to believe with a chill still in the air, spring is just around the corner. So make sure your bike is ready for it, but don't wait for the good weather to get here, because that's usually when the repair shops are the busiest. All you have to do is call Fred Pond, Ext. 7238, and SMD will handle it from there.

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Camera Club

The next meeting of the Camera Club will be held on Wednesday, February 25, at 5:30 p.m. in the Recreation Building. The main topic on the agenda will be discussion of a photography show, as participation in BNL's 40th anniversary year.

IBEW Meeting

Local 2230, IBEW, will hold its regular monthly meeting on Monday, February 23, at 6 p.m., in the Knights of Columbus Hall, Railroad Avenue, Patchogue. On the agenda will be regular business, committee reports and the president's report.

Swim & Stay Fit

As of February 13, 1,427 miles have been swum at the BNL pool by 59 participants in the American Red Cross Swim & Stay Fit program, sponsored by the Swim Club. Thirty swimmers have reached at least the first ten-mile mark on their way to swimming 50 or more miles. Seven already have stroked 50 miles, and three have logged over 100 miles.

Certificates for those who have passed one or more milestones can be picked up at the lifeguards' desk. The program will continue until the end of the summer, so there is lots of time to put those miles in at the pool. For more information, contact Peter Heotis, Ext. 2304.

Social Club

Make reservations now for the Social Club's ski trip to Kelly's Irish Alps at Brodie Mountain, March 13-15. The trip will cost $134 per person with four people per room, $141 for three per room or $151 for two per room. The price includes four meals, transportation, a free ski lesson (two hours for beginners or one hour for advanced skiers) and more. Call Doris Terry, Ext. 2228, for information.

At the Library: Black History

In honor of February's celebration of Black History Month, the Research Library, Bldg. 477, has assembled reference material on this topic. Articles, books and a brief bibliographic guide to black history are available at the Circulation Desk. Contact Marie Hicks, Serials Department, Ext. 5158, for further information.

Arrivals & Departures

Arrivals

Patricia C. Bounauito ..... Plant Eng.
Richard L. Hahn ..... Chemist
Dan B. Kasha ..... AGS
Susan P. Lees-Miller ..... Biology

Departures

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

Wing Fai Fung ..... AGS
Linda E. King ..... Accel. Dev.
Michele Stellini ..... Biology

Swim Club

The 1976 Olympic gold medalist in the 100- and 200-meter backstroke events, John Naber, will instruct the Swim Club on swimming better and faster on Thursday, February 26. Meet at 5:15 p.m. in the Public Relations Office, Bldg. 134, to watch "Gettin' Better," a 50-minute video tape in which Naber reviews stroke mechanics, starts and turns, weight training, stretching, psychological factors and more. For more information, call Marsha Belford, Ext. 5053, or Peter Heotis, Ext. 2304.

Cooking Exchange

Healthy fast food will be featured at the next meeting of the International Cooking Exchange, to be held Wednesday, February 25, at 12:30 p.m., in the Recreation Building. Employees and their families are invited to attend the demonstration and sample the prepared food. There is a fee of $1.50 per person, and babysitting is provided at 50¢ per child.

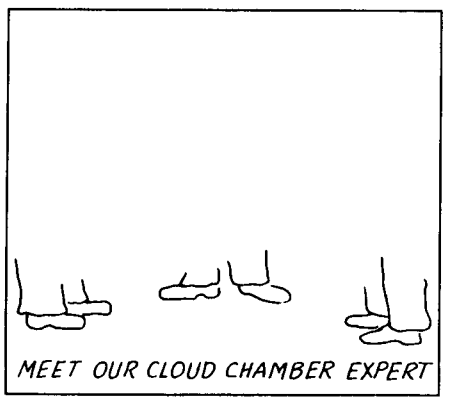
Volleyball

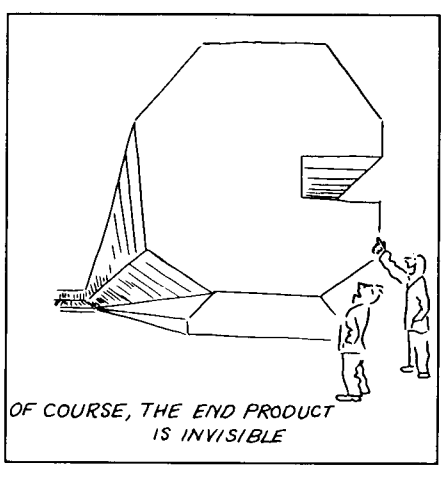
Standings Week of February 9

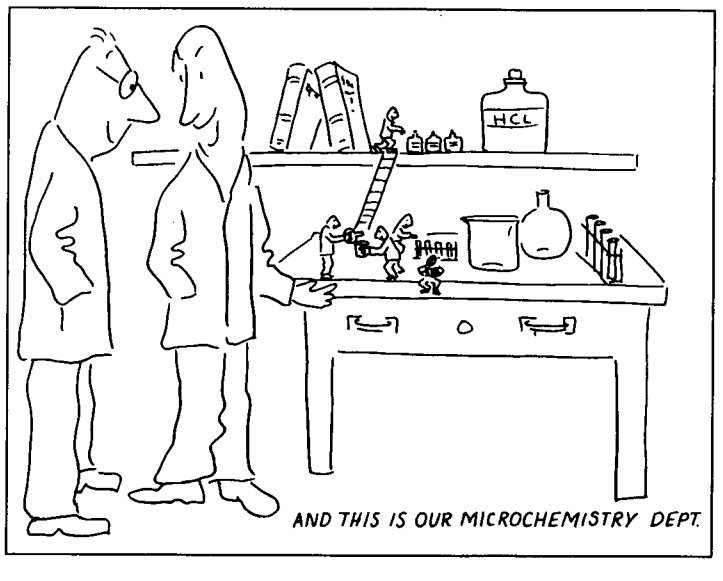
League I	
Dinkers	30-6
Upfagrabs	28-5
Xrayted	17-16
Phoubars	12-21
Bumpers	9-24
Net Results	6-30
League II	
Cannonballs	27-6
Nuts & Bolts	21-9
TNT	20-7
Fossils	17-13
Chunga's Revenge	12-18
Upton Ups	5-22
Misfits	3-27
League III	
Floaters	24-9
Foul Ups	23-10
Printouts	22-11
Screwballs	17-16
Sourcerers	13-20
Not Yets	12-21
Odd Couples	6-27
Open League	
Phoenix	36-3
Dakota	35-4
Odds & Sods	22-17
Rowdy Radicals	19-20
Target	18-21
Court Jesters	16-23
Duituits	6-33
Out of Control	4-35

BNL's Fabulous Forty

Though the actual date of publication is unknown, early in BNL's history, Margery Morse Muller drew a small book of cartoons, a humorous look at the Lab's scientific efforts. Muller, who signed her sketches M^3, worked in Graphics from 1948 to 1950. By its title, the book invites readers to take the "$50.00 Tour of BNL"; since the Bulletin can only print a few of the 19 cartoons in the booklet, this tour is free.







Basketball

Game 1

Longshots — 61		Celtics — 49	
W. Cummings	14	R. Garapolo	14
J. Cyr	12	M. Fulkersen	13
L. Walcott	10	P. Ratzke	7
J. Garrison	8	N. Schaknowski	6
L. James	4	T. Mendez	4
F. Molone	4	T. Farmer	3
R. Rowley	4	M. Williams	2
S. Springstom	3		
A. McMichael	2		

Game 2

Hollywood — 51		Runaway — 47	
E. Meier Jr.	21	J. Desmond	14
R. Domenech	8	R. Moran	14
D. Nordstrum	8	S. Gilbert	8
B. Gunther	6	T. James	4
G. Mack	6	J. Repka	4
R. Kowalski	2	A. Stillman	2
		G. Shepherd	1

Bowling

Pink League

Maryann Reynolds bowled a 194, Fern Coyle 176.

Red/Green League

High games were bowled by K. Riker 231/209/608 scratch, K. Asselta 221/214/617 scratch, T. Holmquist 209, E. Carter 203, J. Petro 202, J. Connelly 200, R. D'Alsace 200, G. Spira 200.

White League

Nancy Mayeski rolled a 246, Pat Manzella 209, Steve Gushue 196, Sharon Smith 188, Marilyn Picinich 186, Sharon Moore 185.

Scotch Doubles Tournament

A Scotch Doubles Bowling Tournament, open to all, is scheduled for Sunday, March 15, at 1 p.m. at Port Jeff Bowl. The cost is $26 per couple, which includes bowling, prizes and buffet. Rules and entry applications can be obtained at the BERA Sales Office or by calling Maria Apelskog, Ext. 3138.

Note to Diners

The cafeteria will be closed on Saturday, February 21. 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 23

Monday, February 23

Chicken noodle soup	(cup)	.75
	(bowl)	.95
Beef noodle casserole		2.55
Baked herbed chicken w/1 veg.		2.65
Baked herbed skinless chicken w/1 veg. (lite-weight)		2.65
Hot deli: French bread pizza		2.45

Tuesday, February 24

U.S. Senate bean soup	(cup)	.75
	(bowl)	.95
Pot roast of beef w/potato pancake		2.65
Broiled fish w/1 veg. (lite-weight)		2.85
Hot deli: Sloppy Joe		2.45

Wednesday, February 25

Turkey rice soup	(cup)	.75
	(bowl)	.95
Cheddar & broccoli quiche (lite-weight)		2.65
Baked meat loaf w/1 veg.		2.65
Hot deli: Turkey garden club		2.55

Thursday, February 26

Purée of split pea soup	(cup)	.75
	(bowl)	.95
Vegetarian lasagna w/diet garlic bread (lite-weight)		2.65
Ham steak w/1 veg.		2.55
Hot deli: Corned beef	(bread)	2.45
	(roll)	2.55
	(hero)	2.65

Friday, February 27

New England clam chowder	(cup)	.75
	(bowl)	.95
Macaroni & cheese w/1 veg.		2.55
Fried clams w/1 veg.		2.75
Tuna salad plate (lite-weight)		2.25
Hot deli: BBQ Chicken patty on onion roll		2.45

Help Wanted At Cafeteria

Saga Foods, which runs the cafeteria, needs several new employees to fill utility and general positions. Saga Foods is an equal opportunity employer. Anyone interested may apply in person at the cafeteria.

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

LABORATORY RECRUITMENT - Opportunities for Laboratory employees only.

2554. LABORER - Plant Engineering Division.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

2555. ENGINEERING POSITION - Requires BSEE and 5 years' experience in industrial plant instrumentation controls, three years' experience required in a nuclear facility. Requires knowledge of process control instruments, pneumatic controls, analog and digital control circuits, and a proven record of engineering experience in these areas. Duties include instrumentation design, modifications and engineering assistance for maintenance and operations. Strong technical writing ability required. Must be able to obtain a DOE "Q" clearance. Reactor Division.

2556. CONTRACTS POSITION - Requires a BS degree in business or its equivalent and significant experience in all phases of procurement with an emphasis on contract preparation and administration. Will be responsible for drafting RFPs, developing contract modifications, evaluating proposals, and analyzing cost and man-hour estimates. Contracts and Procurement Division.

2557. COST AND PRICE ANALYST - Requires a BS or advanced degree in business administration/accounting or its equivalent and extensive relevant professional work experience. Will be responsible for developing and performing cost/price analyses for procurement and contract transactions. Will prepare reports, charts, and graphs relating to these analyses and act as liaison between Division and audit service groups. Contracts and Procurement Division.

Autos & Auto Supplies

77 HONDA CIVIC - hatchback, 4 spd., stand. trans., 35 mpg, rebuilt engine & trans., $295. Ext. 3164

79 PLYMOUTH TRAILDUSTER - 4WD, a/t, a/c, 55k mi., good cond., $4,500. 874-2989 after 6 p.m.

81 LINCOLN MARK V - low mi., very clean, loaded w/many extras, asking $8,000 neg. 758-6950, eves.

79 CHEVY - ½ ton pickup, w/cap, $750. 281-2452.

71 CHEVY MALIBU - 2 dr., 307 engine, a/t, p/s, orig. owner, $550. Gordon, Ext. 3216.

75 FORD LTD - p/s, p/b, a/t, $395. 475-4394.

77 CHEVY CAMARO - blue, 8 cyl., a/t, a/c, am/fm cass., excel. tires, new paint, $2,500. Melanie, Ext. 2456.

75 CAMARO - perfect running cond., depend., not pretty, many new parts, $500. 878-8302 after 5 p.m.

79 PONTIAC SUNBIRD - 4 cyl., 4 spd., sunroof, new paint, $500. Bob Jr., 689-9234, eves.

76 CHEVY MALIBU - 4 dr., good running cond., a/c, p/s, p/b, am/fm radio, mint interior, $800. Ext. 2582 or 924-6521.

74 DATSUN - pickup, parting out, L18 engine needs head work, whole $75. Mike, Ext. 3988 or 231-8889.

70 FORD MAVERICK - runs, $150. Ext. 4867 or 744-8910 after 5 p.m.

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

74 BRAVO - pop-up, sleeps 8, sink, 3 burner stove, 3 way ref., gas heat, 2 gas tanks, tandem axle, porta-potty, asking $1,600. 924-0539.

80 CHEVETTE - excel. cond., orig. owner, a/t, a/c. M.J. Stravino, 735-1144.

77 CHEVY - ½ ton truck, stand. trans., $1,500. 758-7233 after 5 p.m.

77 CHEVY MALIBU CLASSIC - a/t, 4 dr., am/fm, p/s, p/b, extremely clean, $995. 878-2233.

86 JEEP CHEROKEE - 4 cyl., 5 spd., a/c, stereo, Laredo pkg., 3k mi., $14,800. 475-4792 after 5 p.m.

TIRES - (2) Firestone 721, white letters, radials, 205-70-14". Jerry, 281-5667.

85 FORD RANGER - 4 cyl., approx. 3k mi., 5 spd., $7,000 neg. 924-6430 after 5 p.m.

84 MERCURY COUGAR - V6, tinted windows, maroon, p/s, p/b, excel. cond. in & out, $7,100. 737-6697, nights.

79 MUSTANG II - high mi., good rubber, good body, new exhaust, engine o.k., asking $990. Loretta, 929-8287.

79 DODGE COLT - runs well, $500 or best offer. Alan, Ext. 4830 or 744-5093.

MANUAL - 80 Toyota Corona, engine, chassis, body, etc., $15. Hovi, Ext. 4597 or 744-6990, eves.

78 SUBARU WAGON - reliable, excel. gas mileage, 4 spd., am/fm, $900. Ext. 7931 or 289-6982, eves.

73 TOYOTA WAGON - running well., $250 neg. Bo, Ext. 5184.

77 PONTIAC CATALINA - 4 dr., looks good, runs well, orig. owner, $990. Sandy, Ext. 3369 or 286-1022.

75 DODGE DART - 2 dr., a/t, good cond., $500. Vicki, Ext. 2902 or 744-8765 after 6 p.m.

75 DODGE DART - a/t, p/s, p/b, 4 dr., 84k mi., 6 cyl., excel. in & out, $875. 862-7821.

86 GMC PICKUP - loaded, 13k mi., highrise cap, running boards, $12,500, must sell, sacrifice. Bert, Ext. 2050.

69 BUICK SKYLARK - good engine, new muffler and exhaust system, 4 new tires, one spot rusted, $450. 878-6637.

81 TOYOTA TERCEL - htchbk, 5 spd., a/c, am/fm cass., orig. owner, garaged, excel. cond. Gloria, 286-0934, eves.

75 CAMARO - 6 cyl., rebuilt engine, 4 tires w/raised lettering, wire wheels, stereo, $2,500. Ext. 2529.

75 VOLVO 164 - 6 cyl., very good cond., must see, $2,300. Ext. 5105 or 286-1615.

80 DATSUN - htchbck, good engine, body rust, a/t, $900. 928-8522.

CAR RAMP - Sears, heavy-duty, excel. cond., $30; mechanic's creeper, like new, $5. 751-0345.

ROOF RACK - chrome, great for skis, $10. Ray, 289-7615

84 NISSAN STANZA - a/t, a/c, p/b, p/s, am/fm cass., mint cond., asking $6,300. Bawa, Ext. 3357.

TIRE - 6.50-13, like new, $15. Ext. 4597 or 924-8213 after 5 p.m.

84 CAMARO - blue, p/s, p/b, a/c, tilt, am/fm, louvres, 43k mi., $6,500. Frank, 585-9124 after 7 p.m.

81 VW RABBIT - diesel, am/fm, sunroof, 4 dr., rear defroster, 70k mi., mint cond., $2,200. 286-0844.

72 BUICK CENTURY - 4 dr., V8, a/t, p/s, recent exhaust, brakes, tires, 55k mi. Ken, 289-8212.

72 PLYMOUTH - full-size sta. wagon, excel. running cond., $600. Ann, Ext. 2022 or 744-8386.

Boats & Marine Supplies

34' MAINSHIP - 1981 diesel trawler, outboard, generator, auto pilot, low hours, many extras, asking $65,000. neg. 758-6950, eves.

27' CATALINA - 1976, atomic 4, 3 sails, loaded, clean. Bob, Ext. 2144.

OWENS - 1965, wood hull, glass flying bridge, dual controls, V8, motor not running. Ray, Ext. 3536 or 289-7615.

22' SEARAY - 1977, cuddy, 198 Merc I/O, VHF, CB, dual batteries, trim tabs, depth finder, full galley, more, excel. cond. $7,000. firm. 286-1358.

28' OWENS - 1963, wood, tight hull, eng. needs work, forced to sell, $500. Bert, Ext. 2050.

20' SEACRAFT - w/1985 90 h.p. Evinrude, extras, $8,500. Page 660, or 734-7366 after 6 p.m.

Miscellaneous

MAGAZINES - Hot Rod, Car Craft, Field & Stream, 1979 to 1983, many complete years, stack of 11-12 magazines $1. Ray, Ext. 3536 or 289-7615.

TICKETS - L.I. Philharmonic, (2) each, avail. 2/28, 3/14, 4/11, 5/2, good seats, $15 ea. Ext. 4690 or 265-5218.

FLORIDA TICKETS - roundtrip Islip to Sarasota, 3/28 to 4/5, $356 for 2 tickets. John, Ext. 4254 or 929-4450.

LUGGAGE - baby items, housewares, some brand-new; space heater, $25. S. Spark, Ext. 4111.

ODYSSEY - Computer/Video game by Magnavox w/assort. games (tapes), $34; Robert Shaw auto. set back thermostat heating, new $18. 475-4394.

REFRIGERATOR/FREEZER - Frigidaire, 21 cu. in., 6 yrs. old., excel. cond., $185. Ext. 3164.

PERCOLATER - Faberware, 2-4 cup, $15; 6 pc. flint knife set w/rack $15; 8 pc. flint utensil set w/rack, $15. 744-6292.

BEDROOM SET - very good cond., double bed, 2 night tables, chest, dresser, birch, $150. Pat, Ext. 2452.

MATTRESS - Futon, full-size, 85% cotton, 15% foam, used once, cost $182, sell $110, warranty. Iris, Ext. 3387.

BATHROOM - vanity, basin, faucet, medicine cabinet, complete set, 40" wide, very good, best offer. Ext. 2830.

HEADBOARDS - maple, twin size, $20 for 2. Tony, Ext. 2050.

COLOR T.V. - 14", Panasonic, excel. cond., $100. Ext. 3748 or 3030, eves.

FOX JACKET - sectioned, size medium, brand-new, $200. 286-0466 after 6 p.m.

FURNITURE - coffee table w/matching end tables, schoolhouse clock, etc., good cond., reasonable. Gerry, Ext. 3751.

HEAD SKIS - 150 cm; Solomon 404 bindings; Caber boots, 8½; $80. Karen, Ext. 4262.

REFRIGERATOR/FREEZER - gold, side-by-side, $350; 7' gold couch, 2 red chairs, $175; Hammond electronic rhythm section organ, $175. 758-7365.

SKIS - men's, 205 cm, 200 cm, boots size 10 med.; women's skis, Harts, 185 cm, boots 7 & 8; Farberware convection oven, dinette set. 475-0509.

CAMPING EQUIPMENT - package deal, tent, cooler, stove, lantern, all $150. Al Park, Ext. 2023 or 758-7233.

BEDROOM SET - girl's, white, twin bed, dresser/mirror, 4 drawer chest, night stand, desk/hutch and chair, best offer over $300. 269-6357, eves.

STEAM VAPORIZER - never used. Ady, Ext. 4531 or 331-3785.

FURNITURE - glass & chrome, 2 shelf units, rolling bar, cocktail table, end table, lamp, magazine rack, rocking chair. Marion, 281-5667.

DINING ROOM FURNITURE - Early American, table, 6 chairs, large breakfront w/glass doors, new. 758-4684, eves.

REFRIGERATOR/FREEZER - 15 cu. ft., frost-free, $125; generator, 1350 watts, $295. Joe, Ext. 2898.

LOVESEAT - Early American w/matching drapes, $175. 928-1942, eves.

MATTRESS - full-size, orthopedic, 5 mo. old, $100. Michele or Adela, Ext. 3369.

GENERATOR - 5 kV, 11 h.p., Briggs & Stratton engine, brand-new cond. J. Medina, Ext. 7636 or 654-3472.

PING PONG TABLE - excel. cond., w/paddles, net, etc., $50. Joe, Ext. 4661.

CHIPPER CHAIN - (2) 16" Oregon w/links, used but sharpened, $5. John, Ext. 4761.

CHAIRS - (4) old sturdy, oak, cloth seats, $50; band saw, metal cutting, new, $150; other machines. 878-6637.

CERAMIC EARRINGS - hand-crafted, unique gift, hypo-allergenic wires and posts. Gene, Ext. 3080.

SUMP PUMP - submersible, brand-new, $80; Bilco basement doors, need paint, $35. Ext. 2529.

BODY WARMER - 4"x3', attractive radiant heater bar, 600W, $35. 751-0345.

WASHER/DRYER - Sears, electric, 3 yrs. old, excel. cond., $400. Ext. 4846.

Car Pools

OAKDALE - Bohemia area, would like to form car pool. Frank, Ext. 2314.

Free

25" TV - and manual, Heathkit, needs some work. Dave, Ext. 4289 or 288-3011.

PUPPY - about 1 yr. old, Labrador-Beagle mix, friendly, affectionate, well-behaved. 929-4993.

CAT - named Tigger, tri-colored, clean, gentle, loveable, spayed female, needs active family, kennel cab. 286-1592.

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

HILTON HEAD, SC - 2 bdrm. condo, sleeps 6, beach, golf, tennis, many extras, great weather, $300/wk. before 4/11; $400/wk. after 4/11. 585-9149.

NORTH SHIRLEY - new 1 bdrm. apt., eik, w/w, pvt. ent., $625 mo. + cooking gas. 395-4588.

SOUND BEACH - 2 bdrm. apt., water view, avail. immed., $575 mo. + elec. + 50% oil. 473-6432.

MASTIC - room, non-smoker preferred, $75/week. Helen, 281-3229.

FLANDERS/QUOGUE - large, new house, 3-4 bdrms, 2½ baths, on wooded acre, $1,050/mo. 727-1782.

Wanted

HOUSE TO RENT - family of four, SWR school district. 744-2275.

WOMEN BASKETBALL PLAYERS - to join informal league in the area. Corinne, Ext. 4493 10 a.m. to 10 p.m., inc. wknds.

CHILD CARE - on-site, for 2-month-old baby boy, 8:30-5:00, prefer non-smoker. 727-1367.

STUDENTS - violin teacher, now accepting students, beginners welcome. Tamara Frankel, 588-0068.

CHILD CARE - 25-35 hrs/wk for 1½ yr. old, on-site from 3-1-87 to 4-15-87 & in Stony Brook thereafter. Ben, Ext. 5622, or Lorraine Ocko, 617-734-8065.

DRAFTING TABLE - in good cond., Shu, Ext. 3499.

PEOPLE TO ATTEND - 50's dance, March 7, fundraiser for travel soccer team, live band, Port Jeff Elks Club. George, Ext. 4460 or 4453.

SUMMER RENTAL - 3 or more bdrms. 744-2275.

Classified Ad Policy

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

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

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

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

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

NAME (Please Print) .....

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

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