BROOKHAVEN BULLETIN
Vol. 44 - No. 10 March 9, 1990
BROOKHAVEN NATIONAL LABORATORY

Energy Secretary's Initiative Gives New Energy to NEPA

This is the second part of a four-part series about the "Tiger Team" and other environmental, safety and health initiatives of the U.S. Department of Energy, and their relationship to BNL.

Jan Naidu wears several hats within BNL's Safety and Environmental Protection Division (S&EP). For example, in addition to his role as head of S&EP's Environmental Protection Section, Naidu is the Laboratory's coordinator for the National Environmental Policy Act (NEPA).

This old hat took on a new look last June, when Secretary of Energy James Watkins announced a ten-point initiative intended to strengthen environmental protection, safety and waste-management activities in the U.S. Department of Energy (DOE). And last month, the hat's brim grew even broader when Watkins released a notice updating and clarifying the initiative on NEPA, and offering procedures for implementing it.

"Secretary Watkins has given very stringent guidelines for this initiative," said Naidu. "NEPA requires review of all activities which may significantly impact the environment — and the definition of environment includes such things as threatened or endangered species or critical habitats, flood plains and wetlands, and sole-source aquifers.

"So under NEPA," continued Naidu, when a new construction project or a modification involves any activities with potential for environmental impact, it requires a NEPA review. With the new guidelines, the safety net that we have held under construction projects is still there, but the mesh has become smaller as we try to catch every project on site."

BNL's NEPA safety net will also come under scrutiny by a DOE Tiger Team, after the team arrives on site on March 26, to begin an assessment of how the Lab is currently complying with requirements pertaining to environment, safety and health (ES&H). As another of Secretary Watkins's ten initiatives, Tiger Teams have 30 to 35 members, including technical experts in all areas of ES&H. During the upcoming BNL visit, two Tiger Team members will concentrate on NEPA.

Though NEPA affects all federal agencies and was passed in 1970, its application within DOE came under new scrutiny when Watkins became Energy Secretary in 1989.

In his February notice, Watkins reiterated how, in forming his initiatives, "I indicated that many of the Department's activities under [NEPA] had been carried out in a decentralized, non-uniform and self-defeating manner. I also stated my intention to become personally involved in NEPA decisionmaking and to ensure that NEPA actions are more closely coordinated with the Governors of the states which host DOE facilities. . . .

"Indeed," Watkins continued, "mission goals are best served by early and adequate NEPA planning, which avoids the delays that often follow eleventh-hour consideration of NEPA requirements, the resulting failure to comply fully with those requirements and, ultimately, the necessity to cure NEPA-related deficiencies before an important project may proceed. If the Department is to err in its judgment as to the extent of NEPA review required of new projects, it should err on the side of full disclosure and complete assessment of environmental impacts."

While Watkins's notice affects all DOE facilities and contractors, Naidu is concentrating on analyzing its

(Continued on page 2)

Jan Naidu, doing field observation in preparing the environmental assessment report for BNL's Relativistic Heavy Ion Collider, as required by the National Environmental Policy Act.

Photos in this issue by Roger Stoutenburgh.

AUI Lecturer Stewart Udall Leads Breakfast Discussion

Stewart L. Udall (second from left), former U.S. Secretary of the Interior, led a breakfast discussion on "The History of the Environmental Movement and Environmental Law," on March 1 in the Cafeteria. Udall had come to BNL the day before to present an AUI Distinguished Lecture on "Hiroshima: The American Tragedy," to a full house in Berkner Hall.

A long-time environmentalist and a former board member of the Environmental Defense Fund (EDF), Udall added the breakfast discussion to his busy schedule in recognition of the role played by many from this area in starting the environmental movement in the 1960s. He particularly focused on the EDF, founded in 1967 by ten people, including two BNL'ers: retiree Dennis Puleston, who was the Lab's Technical and Public Information Officer, and George Woodwell, now of Wood's Hole Research Center, who was then an ecologist in the Biology Department.

Twenty-three people attended the EDF's first meeting in Woodwell's office. Now the organization that introduced a scientific and legal approach to the fight to save the environment has some 166,000 members.

Among those attending the breakfast were Udall's host at BNL, Paul Michael (second from right), Department of Applied Science, and two founding members of EDF: Charles Wurster (left), Professor of Marine Environmental Studies at the State University of New York at Stony Brook, and Arthur Cooley (right), now retired from teaching science at Bellport High School. Today, Wurster and Cooley are still on the EDF Board, of which Cooley is secretary, and Woodwell and Puleston are board members emeritus.

Focusing High-Energy Energies

High energy physics is projected to begin at the Superconducting Super Collider (SSC) around 1998. In the meantime, the U.S. must continue to focus its high-energy energies on other programs.

Evaluating the pre-SSC high energy physics program is the charge of the High Energy Physics Advisory Panel (HEPAP) subpanel that met at BNL on March 1-2. The Brookhaven visit fell between previous trips to SSC headquarters and Cornell University, and upcoming visits to the Stanford Linear Accelerator Center and Fermi National Accelerator Laboratory.

At each site, the 18-member subpanel spends a day listening to reports on the programs at the host laboratory, then witnessing presentations on upcoming or potential projects. At BNL, many talks involved present and proposed future experiments at the Alternating Gradient Synchrotron (AGS).

Capping the day's talks was an open discussion, where members of the community could bring up topics not formally addressed. The proceedings were moderated by Lee Roberts, Chairman of the AGS Users Group Executive Committee (far left).

Two of the physicists who addressed the subpanel were: Mark Ito (left), Princeton University, a collaborator on rare K decay experiment 787, who spoke of the AGS as a exciting training ground for the students who will be needed to maintain the vitality of the high-energy physics program in the years to come. As cospokeman for the collaboration on AGS experiments 813 and 836, Gregg Franklin (right), Carnegie-Mellon University, described their upcoming search for a strange dibaryon.

Tiger Team (cont'd)

impact on BNL operations. He is passing that information along to the various departments and divisions, to assure that they recognize the need to provide adequate information to guarantee proper NEPA documentation.

Currently, this is being done through an S&EP training program "dealing with the whole question of environmental protection, including NEPA," said Naidu. The program's aim is to reach personnel throughout the Lab's departments and divisions whose work or project plans might in any way affect the environment.

Regarding NEPA, attendees have reviewed the activities that require a NEPA review. These include any activities that could result in: radiation exposures; hazardous or pollutant air emissions; hazardous, chemical radioactive, mixed or infectious waste; liquid effluent; chemical or oil storage or use; toxic substances such as PCBs; pesticide or herbicide use; asbestos waste; domestic waste; dust generation; noise in excess of regulations; clearing or excavation; dredge or fill; new or modified federal, state or local permits; a need for public utilities or services; or land-use zoning.

Whether the activity be the installation of a new hood in a laboratory or the construction of a major new building, the procedure remains the same, said S&EP Head Robert Casey, "Those involved with the project should contact Jan Naidu very early on, to review the potential requirements. If they're in doubt as to whether Jan even needs to be contacted, then they should definitely contact him."

Once alerted, Naidu will do an environmental evaluation, either recommending that the project be given a categorical exclusion, requiring no additional analysis, or preparing an action description memorandum (ADM). In an ADM, Naidu would include sufficient information to enable DOE to make the proper determination. This could include the preparation of an environmental assessment (EA) or an environmental impact statement (EIS). One impact of the new guidelines, Naidu said, "is that several projects may require an EA."

In all cases, Naidu submits his recommendation to DOE's Brookhaven Area Office (BAO). After BAO review, it is reviewed by the Chicago Operations Office, which oversees BNL operations, then by DOE headquarters in Washington. If an EIS is required, a notice of intent to prepare an EIS must be published in the *Federal Register*. In addition, both an EA and an EIS are sent for review and comment to New York State's Department of Environmental Conservation.

Said Casey, "It's a built-in delay of two to three months on any project, and if an EIS or EA is needed, it could be considerably longer. But if a NEPA evaluation is not done early it could be much worse — it could result in an interruption of construction or operation.

"We have always done environmental reviews," Casey said, "but there's a whole new formality to the process that has been established. Because it is so new, there are a number of areas in the process that still must be defined. Still, I think when it is all said and done, we will be more comfortable with the new requirements, because they assure that we will be able to look everyone in the eye and say, 'We have done what is required to protect the environment.' " -- Anita Cohen

Next week: The Resource Conservation Recovery Act.

HFBR "Starter of the Month"

The High Flux Beam Reactor (HFBR)'s new "Starter of the Month" award has a story behind it. Since the HFBR was shut down last March to address safety analysis issues, Reactor Division employees have been united in supporting efforts to restart the reactor.

Even Santa Claus joined in — at the annual Christmas party. He presented the Division with a motor starter from an old Chevy to use as a symbolic HFBR starter. And so was initiated the new award — each month, the starter will be passed along to an employee recognized as having made a special contribution to the restart effort.

January saw the first winner — William Frank (left), Tool and Instrument Maker, shown here turning the starter over to the February winner, Douglas Ports, Special Projects Coordinator. Frank earned his honor for developing special tooling to replace a valve inside the reactor vessel, while Ports was awarded for developing and organizing programs for training and project management, as well as undertaking many other restart tasks.

Said Reactor Division Head Michael Brooks, "Our staff is contributing in many ways with daily efforts far beyond normal expectations, and it is difficult to select just one person per month. The award is really a token to all Reactor Division personnel, who are working as hard as they can toward the goal of restart." — Liz Seubert

Speeding on Site = $50 Fine

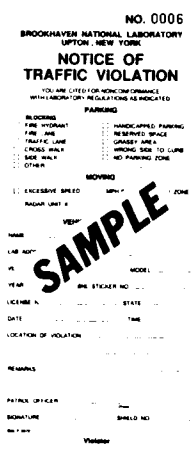
The speed limit on site is 30 miles per hour (mph) unless otherwise posted. As of the first of the month, getting caught speeding on site now means a ticket — and a $50 fine.

The Police Group of the Safeguards and Security Division began issuing citations under the new speed control program on March 1. As of this Wednesday, March 7, twenty-nine speeding tickets had been given out to BNL employees and others driving on site at excessive speeds.

"The object of this program is to get drivers to slow down — not to issue citations," explains Larry Runge, S&SD Manager. "Therefore, the Police Group is not hiding in the bushes with our radar guns — we are highly visible to drivers when we clock driving speeds."

Like the parking enforcement program begun February 1989, the speed control enforcement program was established this February to promote Laboratory safety.

When ticketed, illegal parkers and speeders both receive the same "Notice of Traffic Violation," but with the respective parking or moving violation checked. A copy of the ticket is sent to the offender's department or division head, while the Police Group holds the other two copies.


NO. 0006

BROOKHAVEN NATIONAL LABORATORY
UPTON, NEW YORK

NOTICE OF TRAFFIC VIOLATION

PARKING

MOVING

SAMPLE

During the next 30 days, appeals can be heard by William Hempfling, Labor Relations Manager within the Personnel Division. "There have been quite a few appeals of parking tickets," reports Hempfling, "and, in hearing the cases, I try to balance what is reasonable versus the letter of the law. So far, there have been no appeals of speeding tickets — and they are going to be tough because it is hard arguing with a radar gun."

Under the new speed-control enforcement program, Patrol Officer Robert Lombardi is one of seven members of BNL's Police Group trained by the Suffolk County Police Department to clock the speed of vehicles on site.

If an appeal is not successful, a fine of $50 is charged against the employee's department or division operating funds at the end of the 30-day wait. According to Fiscal Officer Mark Israel, the fines go into a general administrative account, used to reduce overhead expenses.

The speed-control program was suggested by the Lab's Traffic Safety Committee, chaired by Patricia Williams of the Safety & Environmental Protection Division (S&EP), after a review of the 1989 on-site traffic accident statistics.

According to Williams, there were 86 vehicular accidents on site in 1989 — 12 of which involved speeding. Of these, ten resulted in 15 injuries serious enough to warrant medical attention and four of those involved time lost from work. The 1989 accident and injury rates were increased over 1988, when there were 74 traffic mishaps, three of which involved three injuries, one which resulted in lost work time.

"As a result of this program, we expect that the accident and injury rate will drop, and that less work time will be lost," says Williams, speaking for the Traffic Safety Committee's members Bernard Brennan, S&SD; Roy McWilliams, Plant Engineering Division; and James Roesler, S&EP.

"From our vantage point — standing in the middle of the road directing the traffic that speeds by — the Police Group thinks that the program is necessary," adds Russel Reaver, Police Group Manager, S&SD. "Not only are some drivers on site speeding in good weather, but they also don't slow down when visibility and road conditions are poor during bad weather."

To make the speed-control enforcement program possible, seven patrol officers of the Police Group completed the requirements for radar certification under the Suffolk County Police Department.

The seven first put their skills into formal practice on February 5 and 6 — the first two days of the new program — clocking vehicles on the roads leading from the main and north gates. The speeds of those drivers exceeding the 30-mph limit ranged from 41 to 59 mph.

During 12½ hours of the weekday morning, noon and evening rushes from February 7 through 28, the Police Group issued 229 warnings to vehicle operators whose driving speeds ranged from 41 to 62 mph and averaged 46 mph.

"That's over 18 speeders an hour — 18 accidents waiting to happen that we hope to prevent through this program," says Runge. "While we are considering raising the speed limit to 35 miles per hour on Upton Road north of Fifth Avenue to the North Gate and south of Princeton Avenue to the South Gate, the speeders who were issued warnings were still driving an average of 11 miles per hour over the proposed new limit."

— Marsha Belford

Coming Up

Keith Jones, Senior Physicist in the Department of Applied Science, will present the next Brookhaven Lecture on Wednesday, March 21, at 4 p.m., in Berkner Hall. His topic will be "From Anthracite to Zeolite — Elemental Analysis Using Photon and Ion Beams."

C++ for C Programmers

A course in C++ for C programmers will be given by Dave Stampf in the Computing & Communications Division (CCD) in March. A successor to C, the C++ programming language was designed by AT&T to be a safer language using strong-type checking, and to incorporate modern ideas from object-oriented programming.

The course will take six sessions, on Mondays and Wednesdays, beginning Wednesday, March 14, at 10 a.m. in the CCD seminar room. The first session will concern the small improvements that make C++ a better C. The next three sessions will focus on data abstraction, and the final two sessions on object-oriented programming in C++. It is assumed that everyone attending the course has some familiarity with C.

Seating is limited, so register for the course by contacting Ron Wittlock, Ext. 4112.

BWIS Meeting

Margaret Foster, a guest researcher in the Department of Applied Science, will be the speaker at the next luncheon meeting of Brookhaven Women in Science (BWIS). She will talk about "Fingerprints of Secretory Granules in Pancreatic Islet Cells," on Thursday, March 15, at noon, in Room B, Berkner Hall. All are welcome; please bring a lunch. For more information, call Carmen Benkovitz, Ext. 4135.

After earning her Ph.D. in physics from the University of Wisconsin in 1965, Foster pursued elementary particle physics research, first at CERN, and then at the University of Liverpool, England. From 1970-72 she did research at BNL, while she was also an assistant professor in the Physics Department at the State University of New York at Stony Brook.

In 1973, Foster began research in biophysics and became a lecturer in the Department of Physiology and Biophysics in Stony Brook's Health Sciences Center. After some time in the Biology Department at the University of California, San Diego, and at the National Institutes of Health, she has returned to BNL and to Stony Brook, where she is now in the Department of Anesthesiology.

Today, Foster uses a 20,000-electron-volt electron beam to do x-ray microanalysis, probing biological cells and cellular organelles to measure their elemental contents. In her BWIS talk, she will describe the technique of electron microbeam analysis and illustrate how it can be used to obtain unique information about biological tissue.

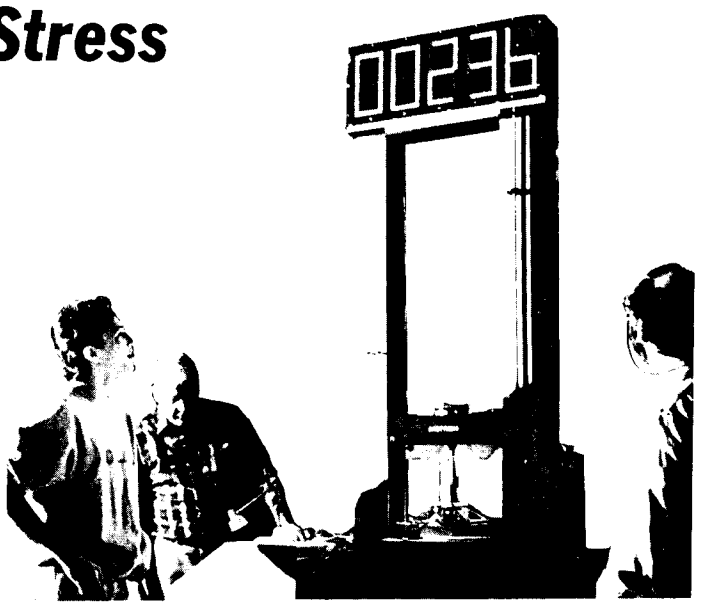
BROOKHAVEN BULLETIN

Published weekly
by the Public Affairs Office
for the employees of
BROOKHAVEN NATIONAL LABORATORY

ANITA COHEN, Editor
MARSHA BELFORD, Assistant Editor
LIZ SEUBERT, Reporter

35 Brookhaven Ave., Upton, N.Y. 11973
(516) 282-2345

Student Bridges Under Stress



At the 1990 BNL Model Bridge Contest, held Saturday, March 3, at the Lab, Brad Terris (left), a sophomore at Ward Melville High School, Setauket, watched the numbers climb on the digital readout of the stress machine as his bridge was tested. Doing the testing were Carl Klamut (center), a BNL retiree and consultant, and BNL engineer Marty Woodle.

The final number on Terris's bridge was a load of 252.7 pounds, over 3,700 times the bridge's weight of 30.76 grams, which put Terris in first place for the East Region (Suffolk County) section of the contest.

Other winners that day were Greg Moyer of Huntington High School, who placed second in the East Region, and David Quintana and Ante Supe, both of Herricks Senior High School, New Hyde Park, who placed first and second respectively in the contest's West Region (Nassau County and New York City). In addition to winning prizes, the four students are now eligible to enter the 1989 National Bridge Building Contest, to be held in Washington state in May.

BNL's contest is organized each year by the Tour Program in the Public Affairs Office. This contest was different from those in past years in that the students designed and constructed model bridges made of basswood rather than balsa.

ANSYS Seminar

A two-part seminar on ANSYS, a finite-element program, will be offered on Tuesday, March 20, in the CCD conference Room, Bldg. 515. The program will be structured as follows:

- **General overview**, 9-10 a.m., for beginning users interested in structural, thermal, dynamic or field problems.
- **In-depth presentation**, 10 a.m. to noon, on the application of ANSYS for modeling a range of problems in magnetics, covering topics on 2D and 3D magnetostatics, 2D and 3D eddy current analysis, coupled magneto-structural analysis, application in particle accelerator design, and hybrid boundary-element methods.

Everyone interested in using ANSYS is invited to attend. For more information, contact Sushil Sharma, Ext. 2095.

PSI Meeting

A discussion on how you can make your volunteer work "work for you" by its leading to a new career, and on how the media can help publicize your organization will be featured at the next meeting of the Upton Chapter of Professional Secretaries International (PSI), on Monday, March 12, at 6 p.m., in the Brookhaven Center's south dining room.

Last Month to Get New ID Cards

Since last October, a program to replace all Laboratory identification cards has been ongoing in Berkner Hall. As old BNL identification cards will no longer be accepted as of April 1, the ID operation will relocate from Berkner Hall to Bldg. 50 at the end of March. If you still haven't gotten your new ID card, be sure to stop by Room D, Berkner Hall, before the month's end.

Note to Employees:

Attendance at lectures, meetings and other special progams held during normal working hours is subject to supervisory concurrence.

March Food Drive

Next week, from March 12-16, the Lab's volunteer Food Drive collectors will be picking up contributions from you, or any passing March lions, for the needy families of Brookhaven Town. Last month, generous BNL'ers gave a high 2,720 pounds of food and dry goods. Can we reach 3,000? Tuna and mayonnaise will be especially welcome, and remember -- donations of money and coupons, as well as cash register receipts from King Kullen and Finast supermarkets, which give rebates, also make a great difference to the total collected. Send them to Carole Kerr, Bldg. 460.

Waste Oil Disposal

To conform to Suffolk County Health Department regulations prohibiting uncontrolled waste disposal, the after-hour and weekend collection of waste motor oil outside the Friendly Auto Service Station is being discontinued effective immediately.

Waste motor oil may be brought to the station on Technology Street only Monday through Friday, between 8 a.m. and 6 p.m. The waste oil must be in closed, leakproof containers. The containers must be left at the station. Station attendants will dispose of the oil.

Waste oils, as well as batteries or any other automobile parts, must not be left anywhere else on site and must not be deposited in any waste containers on site.

ANS Meeting

A. David Rossin, former U.S. Assistant Secretary for Nuclear Energy, will be the guest speaker at the March dinner meeting of the Long Island Section of the American Nuclear Society (ANS). His topic will be "Electricity Shortages — the Downside Risks." Rossin is currently the President of Rossin and Associates.

The meeting will take place on Thursday, March 15, at the Bavarian Inn, Lake Ronkonkoma. The talk will begin at 8 p.m., preceded by cocktails at 6 p.m. and a buffet dinner at 7 p.m. Nonmembers are welcome.

To make reservations, at $15 for members and $18 for others, call Ellie Mitchell, Ext. 7328, by Monday, March 12.

Arrivals & Departures

Arrivals

Noor V. Gillani.....DAS
Catherine Thomas.....Staff Services

Departures

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

Michael J. Colon.....P&GA
Michael P. O'Reilly.....MIS
John R. Skaritka.....Accel. Devel.

Cooking Exchange

A potluck luncheon will be featured at the next get-together of the International Cooking Exchange, on Wednesday, March 14, at 12:30 p.m., in the Recreation Building in the apartment area. Each person attending is asked to bring a small dish of food. Baby-sitting will be provided at 50¢ per child.

Equipment Demos

The Hamamatsu Corporation will have a tabletop exhibit in Berkner Hall, on Monday, March 12, from 10 a.m. to 2 p.m.

Hamamatsu will display a representative selection of their photomultiplier tubes and literature, with special emphasis on high energy physics applications. Representatives of Hamamatsu Photonics K.K., Japan, and from Hamamatsu Corporation, U.S. will be available to answer questions.

•

The on-site Macintosh Center and the National Instruments Corporation will co-host an open house in Berkner Hall on Tuesday, March 13, from 10 a.m. to 2 p.m.

Mario Cavallaro from the Macintosh Center will display the new Mac portable computer, as well as provide hands-on demonstrations of hardware and software for office productivity, multimedia, desktop publishing, system connectivity and CAD. Employee purchase information will be available.

National Instruments will be represented by Joe Abruscati, who will present scientific data acquisition and interface boards for the Mac, and the new LabVIEW software, a program that builds hierarchical virtual instruments, software programs packaged graphically to look and act like instruments.

Bowling

Red/Green League

Mike Guacci had a 247/611 scratch series, Ron Mulderig 236/204/605 scratch, Lee Grimes 216, Lew Jacobson 212/210, Lloyd Schairer 207, Andy Warkentien 206, Ken Asselta 201, Ed Meier 200, Norm Fewell 200.

White League

Ed MacDougall had a 210, Gerry Riker 190.

Purple League

Jim Vogel had a 212, Cheryl Miezianka 197, Karen Vogel 184, Nancy Mayeski 182/181, Gail Schuman 181/180.

Pink League

Tracy Ryan had a 211/181/179/571 scratch series, Renie Rosati 183/174/161/518 scratch series, Donna Cunningham 179/175/171/525 scratch series, Pam Meehan 174/173, Pat Jencius 163.

L.I. Grumman Industrial Tournament

Rich Eggert had a 211/202/603 scratch series, Ed Sperry IV 205.

BERA Art Society Spring Bus Trip

On Saturday, April 21, go back in time. Take the BERA Art Society trip to see spring coming up in an herb garden at New York City's medieval museum — The Cloisters — where parts of authentic, ruined monastery buildings and sculpture, some dating from as early as 1120, have been brought from Europe and rebuilt stone by stone. Then, go modern — bus downtown to lunch in Soho, where over 40 art galleries are clustered. After lunch, stroll to Chinatown or Greenwich Village.

The bus will leave BNL from the parking lot opposite the Cafeteria at 7:40 a.m. sharp, arriving at The Cloisters at 9:30. At 11:30 the bus will drive to Soho, then leave the city to be back at the Lab by 5 p.m. Bus tickets will cost $15 each; museum fees are: adults, $4.50; senior citizens, $2.75; children, $1.75. Lunch and city mad money — to taste! To make reservations, call Liz Seubert, Ext. 2346.

Basketball

Games for week of February 26

Knicks	**46**	**Scram**	**38**
E. Hobson	23	E. Gregory	10
J. Belz	15	T. Powers	9
F. Thompson	6	J. Barkwill	6
T. McGill	2	P. Lang	6
		J. Duggan	4
		R. Diaz	2
		D. Bingham	1

Three-point shots: J. Belz, E. Hobson

Celtics	**54**	**Runaways**	**41**
D. Hoggard	27	J. Desmond	19
B. Turner	11	C. Norton	7
J. Wells	6	B. Doty	6
A. Jones	4	G. Shepherd	3
R. Wells	4	R. Mease	2
N. Schakowski	2	T. Blum	2
		M. Wani	2

Three-point shot: D. Hoggard

Warriors	**57**	**Bulls**	**48**
T. Mayo	19	P. Johnson	20
G. Mack	10	S. Gilbert	13
B. Gunther	9	B. O'Brien	10
W. Cummings	6	C. Victoria	3
S. Springston	6	G. Smith	2
C. Edwards	4		
S. Cramer	2		
K. Biery	1		

Three-point shots: P. Johnson (2), T. Mayo

On the Menu

At the Cafeteria

Luncheon served 11:15 a.m. to 1:30 p.m., grill open to 4 p.m.

Monday March 12	
Soup: Mushroom barley	.75/.95
Entree: Baked macaroni & cheese w/1 veg.	2.95
Entree: Shepherd's pie w/1 veg.	3.10
Fitness: Baked chicken w/1 veg.	3.00
Carvery: Pastrami sandwich	2.85
Grill: Grilled Reuben w/cole slaw	2.95
Tuesday, March 13	
Soup: Vegetable	.75/.95
Entree: Veal Parmesan hero w/1 veg.	3.10
Entree: Knockwurst & sauerkraut w/1 veg.	3.10
Fitness: Baked scrod w/1 veg.	3.10
Carvery: Hot roast beef sandwich	2.85
Grill: Monte Cristo	2.85
Wednesday, March 14	
Soup: Cream of tomato	.75/.95
Entree: Breaded pork chop w/1 veg.	3.10
Entree: Cheese ravioli w/Italian bread & 1 veg.	3.10
Fitness: Spinach quiche	2.95
Carvery: Baked ham sandwich	2.85
Grill: Philly steak hero w/fries	2.95
Thursday, March 15 **Salute to St. Patrick's Day**	
Soup: Cream of broccoli	.75/.95
Entree: Boiled New England dinner - corned beef & cabbage, boiled potato	3.25
Entree: Irish lamb stew w/1 veg.	3.10
Grill: Grilled cheese & bacon w/fries	2.45
Friday, March 16	
Soup: Manhattan clam chowder	.75/.95
Entree: French bread pizza	2.25
Entree: Fried clams on soft roll w/1 veg.	3.10
Fitness: Broiled flounder w/1 veg.	3.10
Carvery: Hot turkey sandwich w/cranberry sauce	2.85
Grill: Whaler sandwich w/French fries	2.95
SPICE special for week:	
Fresh-baked pie -	(each) 6.00
Breakfast served w/coffee, 7:30 - 10:30 a.m.	2.65

Mon.: 2 eggs, bacon, & pancakes
Tue.: Western omelet, French fries, toast
Wed.: Spanish omelet, home fries, toast
Thu.: 2 eggs, bacon, cheese on croissant, fries
Fri.: French toast, 2 eggs, bacon, home fries

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.

4178. SECRETARIAL POSITION - (term position) Requires knowledge of office practices and excellent communication skills. Will assist division secretary in preparing technical reports, making travel arrangements and preparing vouchers. PC experience required; WordPerfect experience desired. Department of Nuclear Energy. (Reposting Job No. 4176).

4179. OFFICE SERVICES POSITION - Requires knowledge of office practices and previous computer experience. Duties include maintaining master drawing and backup files, quality assurance logs and computerized data-base drawing file. Will prepare, distribute and control engineering documents. Word-processing experience desired. National Synchrotron Light Source Department.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

4180. RESEARCH SERVICES POSITION - (temporary/part-time) Duties will include monitoring low-energy accelerator, taking hourly recordings and making minor tuning adjustments if necessary. Must be available to work evenings and possible weekends. Physics Department.

Motor Vehicles & Supplies

88 ISUZU PICKUP - 12k mi., ac, stereo, new tires, dark blue, 5 yr./50k mi. total warranty & free tow service, mint cond., $6,000. Phil, 821-2940.

87 JAYCO MOTORHOME - 25', designer series, cruise, 460 motor, gen., awning, bath, ac, excel. cond., $32,000 neg. Bob, Ext. 4672 or 929-4753.

87 PROWLER TRAILER - 28', self-contained, never driven on road, excel. cond., asking $9,900. Diane, 567-6853.

86 CHEVY SPECTRUM - 4-cyl., a/t, 65k mi., excel. cond. in/out, ask. $3,200. E. Erhardt, Ext. 2705.

86 DODGE 150 PICKUP - 4x4, V-8, a/t, custom paint, low mi., reg. maintained, orig. owner, cap, bedliner, $9,750 or best offer. James, 289-2021.

85 DODGE CHARGER - a/t, p/s, p/b, excel. cond., $2,900. 928-7734.

85 BUICK SKYHAWK - custom DX, p/s, p/b, a/t, am/fm cass., pop-out sunroof, spoke wheels, excel. mpg, mint cond. Rebeca, 744-3729.

84 CHRYSLER LASER - 45k mi., ac, 2.2L, factory S.R, 5-spd., orig. owner, immac., must see, $4,200. Mark, Ext. 2599.

84 FORD TEMPO GL - 2-dr., p/s, p/b, 5-spd., 4-cyl., 67k mi., $2,250. Ext. 4695 or 744-1917.

84 COUGAR - a/t, p/s, p/b ac, 85k mi., tinted windows, new tires & brakes, mint cond. in & out, $4,000. Pat, 732-6569.

84 FORD TEMPO - needs engine repair, good cond., $650 neg. Ext. 4867.

83 CHEVY S-10 PICKUP - 4-spd., long-bed, 67k mi., v.g. cond. 325-0447.

83 YAMAHA VIRAGO MOTORCYCLE - 750cc, 24k mi. black, garaged, extras, mint cond., asking $2,000. Charles, Ext. 5215.

83 HONDA ACCORD - 5-spd., ac, high mileage, excel. cond., $3,300 neg. 281-0185.

81 DATSUN 310GX - runs well, excel. commuter car., $1,000 or best offer. Jeff, 727-5194 after 6.

81 KAWASAKI 440 LTD - 11k mi., new brakes, chain, sprockets, sissy bar, new tires, asking $600. 474-5715.

81 HONDA ACCORD - h/b, 5-spd., am/fm, new tires, clutch, struts, battery, muffler, $850. 878-0953 after 3 p.m.

81 FORD FAIRMONT - runs well, needs door, $150; '78 Datsun wagon, needs clutch, $100, best offers accepted. Bob, 369-2459.

80 MERCURY - 4-dr., gray, am/fm stereo cass., best offer. O. Booker, Ext. 3082 or 727-5912.

80 VW RABBIT DIESEL - parting out, call for needs. 654-4661 eves. & wknds.

80 DATSUN 310 - new exhaust system, am/fm cass., runs well, ask. $770. Ext. 3536 or 399-4399.

79 SUNLINE TRAVEL TRAILER - sleeps 6, new tires, battery, brakes, stands, awning, excel. cond., $4,00 neg. Artie, Ext. 4988 or 325-0743.

79 FORD MUSTANG - red, 2-dr., 4-spd., 86k mi., new paint, runs well, $1,900. 363-6845.

79 OLDS REGENCY - sedan, 4-dr., p/s, p/b, ac, excel. cond., $1,500 neg. Lou, 277-2671 after 6.

78 CAMARO - runs, high mi., no dents or rust, $700. Rich, 878-1580 after 6 p.m.

77 TRAVEL TRAILER - self-contained, sleeps 8, ac, excel. cond., asking $3,275. Walter, Ext. 3848 or 281-9299 after 6:00 p.m.

77 HONDA ACCORD - high mi., needs some exhaust work, runs well, $300. 286-8397.

77 BUICK CENTURY WAGON - 62k mi., ac, air shocks, trailer hitch, new brakes, tires, $1,700. Don, Ext. 3625 or 286-0428.

75 TRAILER - 24', sleeps 6, ac, awning, $2,000. Ext. 2543.

73 CHALLENGER - parting out, best offers. Marie, 399-3401.

72 JEEP CJ5 - body in good cond., oversized tires, roll bar, alum. rims, not running, many mechanical parts included. Kevin, 585-4314.

68 CHEVELLE SS - 396, 4-spd., ground-up restoration, mint cond., $8,500. Ken, 473-7460.

SNAPON TUNEUP CENTER - 3 meters, $250; Snapon brake bleeder, $125; 20-ton air-assisted hydraulic jack, asking $200. 474-5715.

SHOP MANUALS - for '85 Subaru RX, GL, etc. but not XT, make offer. Joe, Ext. 4139.

TIRES - 1 ea., 155/SR/13, 175/75R/13, 185/80B/13, 205/75R/15, $5 ea. Ext. 4597 or 924-8213.

TIRES - 4, Goodyear Wrangler radials, standard Jeep size, good cond., standard Jeep rims, best offer. Pete, 878-8058.

OIL FILTERS - 1 case of 12 Motorcraft long-life oil filters for 4-cyl., part #FL400A, $25; new crome gas pedal. Wayne, Ext. 3084.

TIRE - Firestone 721, new, 235/75R15, Eldo rim, make offer. Ernie, 588-4987.

Boats & Marine Supplies

31' CORVETTE SLOOP - classic shoal draft, fg, Atomic 4, 7 sails, wheel steering, 2-spd. winches, asking $16,000. McGeary, 363-2796.

23' O'DAY - cruising, racing, 6 sails, VHF, Loran depth/speed, Dodger, solo handling, extras, excel. cond., $13,500. 286-1024.

23' CHRIS CRAFT SEA SKIFF - new 350 i/o, new canvas, head, mooring & lots more, $4,900 or best offer. 928-7734.

17' SPORTCRAFT DEEP V BOWRIDER - 175 h.p. Mercruiser i/o, w/trailer, full canvas, v.g. cond. Rod, 878-1580 after 6 p.m.

15' GRUMMAN CANOE - aluminum, good cond., $300. Emil, 581-7841.

DEPTH FINDER - $50. 732-2720.

Furnishings & Appliances

FIRE SCREEN - glass w/brass finish, standard size, like new, $30. Ext. 2175 or 734-7342.

VACUUM CLEANER - Sears, canister, barely used, w/power-mate beater bar, accessories, excel. cond., $60. Ext. 4358 or 286-8528.

WASHER - GE, portable, great cond., good for apt. 924-8558 after 5 p.m.

COFFEE TABLE - early American, dark pine, $40. 589-0625.

ICE MAKER - GE, new, under warranty, model #UK-KIT-4, $50. 924-5192.

FOOD PROCESSOR - Sunbeam, stand, mixer, blender, new, in box, $75. 654-4661 eves & wknds.

RUG - new, approx. 6'x9', blue/mauve/cream, $50; 2 lamp tables, brass & smoked glass, $120; 2 lamps, lt. blue w/brass trim, $45. Kim, 585-4314.

KITCHEN TABLE - & chairs; refrigerator; freezer. Rich, Ext. 2043 or 435-4316.

CONVERTIBLE SOFA BED - queen size, excel. mattress, sofa needs cover, $50; captain's bed w/o mattress, excel. cond., $50. 744-3744.

WASHER - Kenmore, good cond., good for apt., $100. O. Booker, Ext. 3082 or 727-5912.

ROCKING CHAIR - white wood, $25; carved headboard & adjustable frame, $15. Ext. 3084.

SHOWER DOORS - Coral, 30". 1 chrome, 1 gold, orig. $115, asking $55/ea., $100/both. Henry, Ext. 4547 or 727-7227.

SOFA - large, good cond., $25 or best offer. Ext. 7897 or 3028.

Tools, House & Garden

CHARCOAL KETTLE GRILL - Weber, $40. Mark, Ext. 5350 or 369-0793.

Sports, Hobbies & Pets

DRYSUIT - Poseidon, man's, large, must sell, asking $500. 474-5715.

CLARINET - student, excel. cond., $125; advanced Signet, $250; Rossignol 170cm skis, new, $75. Jim, Ext. 3372.

PHOTOGRAPHIC ENLARGER - Bogen, excel. cond., extras for darkroom, $75. Ext. 2384.

BICYCLES - man's 10-speed Peugeot, $35; woman's 3-speed English Racer, $15; children's Headstrom Innovator bike, $20. Erik, Ext. 2437.

STRINGING MACHINE - for tennis rackets, $50. 589-0625.

SNOWMOBILE - 1983 Yamaha, low hours, heater, tach, fast, excel. cond., asking $1,000. Bob, Ext. 4672 or 929-4753.

MANUAL TYPEWRITER - w/stand. Cathy, Ext. 2063.

SCUBA EQUIPMENT - 80 H2 tank, BC, 2 wet suits, regulator w/digital console, Octopus masks, fins, lights, more, used twice, $1,000. Pete, 878-8058.

PUPPIES - Golden Retriever puppies, born Jan. 15. 281-6803.

WOOD SLEDS - old, $8/each; ice skates, size 10 & 12, $8/pair; pogo stick, $10. 732-2720.

PIANO - upright, new keyboard, good cond., moving must sell, $250 or best offer. Ext. 7897 or 3028.

Audio, Video & Computer

TV - RCA, black & white, $40. 473-2473.

HANDYCAM CAMERA - Sony, 8mm, deck, hard case, complete, $650. Mark, Ext. 5350 or 369-0793.

IBM PC - 2 floppies, CGA, monitor, parallel & serial ports, $325. Alan, Ext. 2928 or 821-1389.

FILM PROJECTOR - Revere, 8mm, variable speeds, $40; Gerard turntable, $40; antique 78-speed records. 924-8558 after 5 p.m.

Miscellaneous

COPPER PLATES - $20; man's bowling ball, $20; brass train, $35; collector porcelain mugs, $20; crystal heart box, $15. Kathy, 744-2203.

BEDSPREAD - hand crocheted, full size, red velvet liner, $150. 369-9879.

SLIDE RULE - Pickett 400, business, instruction manual, w/leather pocket sheath, 6" long, excel. cond., $15. Ernie, Ext. 3357.

BABY THINGS - electric feeding dish, $8; Fisher Price bath center, $8; Shelcore bath seat, $5. 589-0625.

BOTTLE WARMER - Gerber, orig. $10, asking $5. Mark, Ext. 5350 or 369-0793.

PORT-A-CRIB - wood walnut finish, w/mattress & bumpers, like new, $45. Frank, Ext. 3121.

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

CALVERTON - 2-bdrm. townhouse, w/w, 1½ baths, appl., patio, $750. 878-0874 after 5 p.m.

FARMINGVILLE - 3-bdrm. house to share w/one male, eik, l/r, laundry, full bath, near LIE Exit 63, no pets, $500/mo. + electric, 1 mo. sec. OM, Ext. 5332 or 928-2994.

LAKE RONKONKOMA - 1-bdrm. apt., eik, l/r, bath, priv. ent., cable, w/w, own thermostat, 20 min. BNL, ½ mi. LIE, Exit 60, $675/mo. all, 1 mo. sec. 588-2477 after 5:30 p.m.

MASTIC BEACH - 3-bdrm. house to share w/2 other professionals, $425/mo. incl. util. & cable, 15 min. to Lab. Jonathan, 395-5221.

MIDDLE ISLAND - 2-bdrm. house, garage, fenced, $750/mo. no pets, 1 mo. sec. 924-5092.

MIDDLE ISLAND - Artist Lake, 1-bdrm. condo, upper unit, priv. balcony, cac, clubhouse w/pool, tennis, 10 min. to Lab, $650/mo. incl. heat, avail. April. 345-5294.

PATCHOGUE - 3-bdrm. Cape, newly renovated, energy efficient, new kitchen, bath, w/w, a/c, walk to village, immed., $895. Bob Dyer, Ext. 7238.

RIDGE - 1-bdrm. apt., priv. ent., l/r, eik, new appl., 5 min. to Lab, avail. April 1, no pets, reasonable rent. Ext. 5076 or 744-4615.

SELDEN - Village in the Woods, 1-bdrm. co-op, upper unit, eik, d/r, l/r, pvt. balcony, ask. $800/mo. + 1 mo. sec. 696-5386.

STONY BROOK - 1-bdrm. apt., full bath, priv. ent., a/c, cable, nonsmoker, pets OK, $575/mo. + 1 mo. sec., refs., util. incl. Lois, 751-0023.

For Sale

MEDFORD — 3-bdrm. Colonial, 1½ baths, eik, d/r, l/r, den, gar., 0.4 acre, $139,900. 286-1571.

MIDDLE ISLAND - readily buildable lot, over 1 acre in completed new subdivision, Spring Lake Golf Course, end of Bunker Lane, ask. $75,000. Ext. 4138 or 751-9096.

NORTH PATCHOGUE - 3-bdrm. ranch, kitchen, fp, full bsmt. w/playroom, low maint. & taxes, appl., louvered porch, ig sprinkler, ask. $129,900 neg. Arnie, Ext. 2040 or 289-1870.

RIDGE - 3-bdrm. Colonial, 1½ baths, l/r, d/r, eik, den, full bsmt., gar., vinyl siding, Andersen windows, fenced 1 acre, 5 min. from Lab., $159,900. 924-2706.

RIDGE - 4-bdrms. Colonial, 2½ baths, eik, d/r, l/r, w/w, gar., deck, ½ acre, minutes to Lab, $157,990.

SELDEN - Village in the Woods, 1-bdrm. co-op, upper unit, eik, d/r, l/r, pvt. balcony, ask. $72,000. 696-5386.

SETAUKET - 4-bdrms. Colonial, large hall, ceramic floors, bsmt., carpets, oak floors, ½ acre, igp, $206,000. 751-9096.

WADING RIVER - custom, multi-level contemp., acre, decks, pool, skylights, fp, Jennaire stove, all appl., w/w carpet, quarry tile, jacuzzi, $209,000. 283-0155.

WEST SAYVILLE - 4-bdrm. high ranch, l/r, d/r, eik, 1½ baths, a/c, 2-car gar., gas heat, Sayville SD, $145,000. Meade, 499-8816.

YAPHANK - 3-bdrm. condo, 2½ baths, fin. bsmt., wood floors, a/c, 5 min. to Lab., $120,000. 751-2216.

PALM BAY, FL - 2-bdrm. condo near Melbourne, 2 full baths, l/r, d/r, kit., w/d, pvt. screened patio, completely furn., heated pool, near beach, malls, $70,000. Ginny, 698-8514 after 5 p.m.

EFFORT, PA - wooded acre in heart of Poconos, clubhouse and pool, 2½ hours from Long Island, ask. $25,500. 282-2531.

Wanted

SINGER/BASS PLAYER - for hard-rock band, Zep, Aerosmith, Zebra, etc. Ken, 473-7460.

FRIENDS - to attend farewell party for Barclays Bank personnel, Thursday evening, March 22, at the Rec. Bldg. Rosalie, Ext. 3160.

OLD FLOOR SAFE - will gladly pick up. Artie, Ext. 4988 or 325-0743.

VCR - Chris, Ext. 4572, pager 0163 or 265-0163.

BABY CARE - for 3 mo.-old boy, 5 days/week in your home, begin in May, standard salary. Evelyne, 281-7808.

HEARING AIDS - behind the ear (Hi Gain) or Body Aid. George Hrabak, 835 Blair St., Bohemia, N.Y. 11716.

BABY-SITTER - for 6 mo. old, 1½ days per week, Port Jeff. Station area. 928-7734.

In Appreciation

We thank our friends at BNL for their condolences and prayers on the loss of our beloved daughter, Donna. — Ralph Giallorenzo & Family

Classified Ad deadline is 4:30 p.m. Friday for publication Friday of the next week.