

## AGS Users Updated on Funding, Booster, RHIC

"The AGS program is as good today as it was in its early days of the 1960s" is how Mel Schwartz, BNL's Associate Director for High Energy and Nuclear Physics, summarized the ongoing physics program at the Alternating Gradient Synchrotron (AGS).

Schwartz made his presentation during the AGS Users' Group Annual Meeting, March 22-23, during which over 100 of the AGS's users were in attendance.

Schwartz relayed this good news following his participation in the high energy physics (HEP) program review on March 20-21, by the Office of High Energy and Nuclear Physics (OHENP) within the Office of Energy Research, U.S. Department of Energy (DOE).

During the review, the AGS was praised for its strengths: as the world's most intense source of kaons, and as one of the world's two accelerators and the only machine in the U.S. to supply high-energy heavy ions up to silicon.

As AGS Chairman Derek Lowenstein outlined for the users, the AGS physics program includes: second-generation experiments looking for rare kaon (K) decays; heavy-ion experiments looking for signs of quark-gluon plasma preliminary to the Relativistic Heavy Ion Collider (RHIC); and other scientific searches for the likes of exotics and strange matter. In addition, the world's largest superconducting magnet is now being wound for the future muon g-2 experiment.

"All this is based on the Booster as the linchpin," stated Lowenstein.



Thomas Ludlam, Associate Head of the project to build BNL's Relativistic Heavy Ion Collider, addresses the audience at the AGS Users' Group Annual Meeting.

The machine to which he referred is a preaccelerator to the AGS, under construction since 1988 and to be commissioned presently. The Booster will deliver more intense protons and polarized protons from the linac to the AGS. It will also permit the AGS to accelerate ions as heavy as gold and uranium generated by the Tandem Van de Graaff.

For further study of the physics of heavy ion collisions, BNL received \$13.5 million from DOE this January to begin RHIC construction. The \$300-million accelerator is scheduled to be commissioned in October 1996 (see box).

To take advantage of the Booster's added intensity, the AGS rare-K decay experiments will have to be upgraded, requiring capital equipment funds. However, Schwartz informed the users that the Lab is underfunded for capital equipment,

but is exploring various options with DOE to find these funds.

"Unfortunately, budgets are too tight to fund all good physics, so I don't know if we can solve this problem, but it will be challenging," stated John O'Fallon, Director of the High Energy Physics Division within DOE's OHENP, who remained after the HEP program review to attend the meeting.

Once the rare-K experiments are upgraded, O'Fallon expected that they would "run flat out" from 1994-96, which is a change from their present operations.

When RHIC comes on line in 1997, however, O'Fallon foresees three possibilities for HEP at the AGS that would be in addition to its new role as the heavy-ion injector for RHIC: "exciting" physics would justify the AGS's continued use as a full-fledged HEP machine; the AGS would be funded modestly for HEP; or the HEP program would be terminated at the AGS, as the focus changed to nuclear physics at RHIC.

O'Fallon concluded by reminding the audience that the final determination of the AGS's future would "depend upon the physics outcome."

As Laboratory Director Nicholas Samios had said in his welcoming remarks, "The fact that DOE showed great support for RHIC in tight budget times says that there are great opportunities for new physics at this Lab in the future."

Updating the audience on RHIC's construction funding, Horst Foel-

(continued on page 2)

## DOE Recognizes E. Parke Rohrer

"In recognition of his outstanding contributions to the Superconducting Super Collider (SSC) magnet R&D program," E. Parke Rohrer, BNL's Associate Director for Management & Physical Plant, was honored March 12 with the Distinguished Associate Award from the U.S. Department of Energy (DOE). The award was presented at the annual meeting of the International Industrial Symposium for the SSC.

The citation on Rohrer's plaque continues: "His efforts have been critical to the development of reliable, high performance superconducting magnets that meet the rigorous technical requirements of the SSC." Since 1987, Rohrer has been overseeing Brookhaven's work on SSC magnets.

Reflecting on the award, Rohrer said, "I would like to thank Admiral Watkins and all those in DOE who selected me for the honor of their award. But I also know that no man is an island. An award of this nature is the result of participation of many individuals, starting with my boss, Nicholas Samios, who supports the SSC vigorously.

"The support necessary to achieve the success exemplified by this award also came from the physicists, engineers and technicians in the Magnet Division headed by Erich Willen," continued Rohrer, "as well as from personnel in the Central Shops, Contracts & Procurement and Plant Engineering Divisions. Many non-technical people at BNL have strongly supported me, especially my wife Jan."

The effort that Rohrer oversees at BNL focuses on dipole, orbiting magnets for the SSC. About one year

ago, the management of the SSC Laboratory in Dallas decided to increase the diameter of the aperture of the SSC dipole magnet from four to five centimeters.

Explained Rohrer, "This upscale required redesigning and retooling, but this has been done and, to date, BNL has tested successfully two 1.8-meter dipole magnets. We're now



E. Parke Rohrer

working on tooling to produce full-size, five-centimeter magnets — each 15 meters long — which we anticipate testing toward the end of the year.

"These magnets will help attain the scientific goal of the SSC — to probe deeper and deeper into the heart of matter, especially right after the moment of creation," added Rohrer. "One fact I know for certain, the Creator of the Universe has been very, very good to me, and I am grateful."

## Gallagher Appointed MIS Manager

Edward Gallagher has assumed the mantle of Manager of the Management Information Systems Division (MIS).

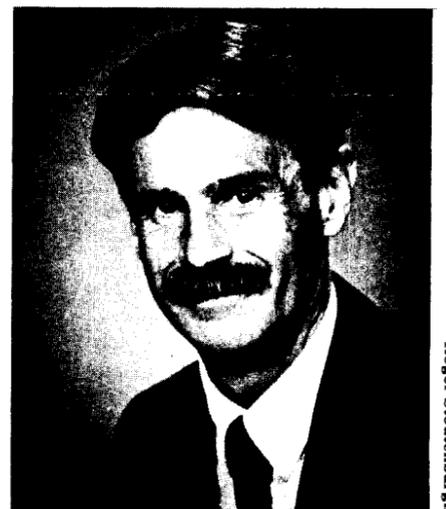
Announcing the appointment on March 12, Henry Grahn, Associate Director for Administration, noted, "The variety of positions Ed Gallagher has held within the MIS Division has provided him with . . . an in-depth knowledge of large-scale business systems development activities, as well as a detailed knowledge of both BNL scientific departments' and support divisions' policies, procedures and systems interfaces."

Grahn continued, "This knowledge, combined with the managerial skills he has demonstrated in the various supervisory positions he has held, and his close working relationship with the user community, make Ed an excellent choice . . . I am confident that Ed Gallagher will bring a high degree of dedication and motivation to the position of Division Manager."

Gallagher came to BNL in 1980, with a 1970 B.A. from Adelphi University and over ten years' experience in data processing in several different business environments — banking, retailing and manufacturing. In addition to honing the technical skills that would prove valuable in the Lab's sophisticated computing environment, Gallagher said, "I learned early on that customers come first in a data-processing environment."

This is the philosophy that Gallagher wants to emphasize as manager of MIS, a service group with several functions related to administrative and management computing at BNL.

MIS is a 24-hour-a-day operation, with about half of its approximately 40 people dedicated to developing systems, programming, training and advising on software purchases. The rest of the staff is involved with operating and providing technical support for the multiple Hewlett Packard computers MIS uses to process such demanding jobs as the Lab's payroll and IPAP, Brookhaven's integrated requisition, purchas-



Edward Gallagher

ing, receiving, inventory and accounts payable system.

Since MIS's work touches all Lab areas, Gallagher feels that it is important that his staff know as much about what is going on around

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## RHIC Ceremony Two Weeks Away

All are invited to attend the ceremony marking the beginning of the construction project for the Relativistic Heavy Ion Collider (RHIC).

The ceremony will begin at 11 a.m. on Friday, April 12, atop the RHIC ring, overlooking the Collider Center, Bldg. 1005. The keynote speaker will be the President's Science Advisor, D. Allan Bromley.

Starting at about 10:30 a.m., buses will begin bringing employees, retirees and visitors to the RHIC area, picking up passengers at Berkner Hall and other locations to be announced.

Transportation will also be available for those who wish to tour the RHIC facilities, beginning at about 1:30 p.m.

## AGS Users

(cont'd)

sche, Assistant Head of the RHIC Project, reported, "DOE's Energy Systems Acquisition Advisory Board met on January 11 and 18 regarding RHIC, and, as a result, authorized us to undertake the detailed designs and the procurement of the superconducting cable for RHIC's 1708 magnets, which requires a long lead time." After vendors supply superconductor samples and they are evaluated, the cable contract should be awarded by the summer.

An additional \$97 million in DOE and other funding has been earmarked for detectors for RHIC experiments. Last September, in response to an April call for letters of intent (LOI) to propose RHIC experiments, nine LOI were received. They represented collaborations of over 300 researchers from over 50 institutions in the U.S. and abroad.

One letter proposed a small detector that would use RHIC exclusively as a proton-proton collider.

The remaining eight, however, described medium to large detectors, with estimated costs ranging from \$6-56 million, that would utilize the range of energies and ion species available at RHIC to explore new states of matter at extreme nuclear densities and temperatures.

After the LOI were reviewed by the RHIC Program Advisory Committee, the eight groups were asked to "consider how to scale down their costs, as well as to consider consolidating their experiments with others proposing similar physics and detector technology," reported Thomas Ludlam, Associate Head of the RHIC Project.

As an intermediate step between LOI response and the upcoming formal call for proposals, Ludlam announced that an open meeting on RHIC detectors will be held on April 19-20.

Over the two days, the Lab's funding constraints for large RHIC detectors will be detailed, the priorities of RHIC's physics goals will be evaluated, and the eight collaborations will describe the physics capabilities of their proposed detectors.

The anticipated outcome of this meeting is that the potential RHIC users themselves will develop the detector strategy for a few large, affordable and complementary experiments.

— Marsha Belford

## Tel Aviv Team Visits EVA

Early in February, at the height of the recent Persian Gulf war, five Israeli scientists left Tel Aviv to fulfill a program that had been planned for months with their BNL collaborators in the Alternating Gradient Synchrotron (AGS) Department.

Despite the very unsettled conditions at home, the five had come to work on Experiment 850's EVA, the

**Pictured right as they were building and testing some of the 10,000 high-speed analog circuits for EVA's straw-tube particle detectors are: (from left) Johas Alster, Israel Mardor, Yael Mardor, Moshe Zilca and Menachen Haitner, all from Tel Aviv University. Missing from the picture is another member of the team, Eli Piasetzky, who alternates with Alster on a regular basis at BNL to work on EVA.**



Roger Stouenburgh

new detector being built to explore color transparency, a phenomenon of quantum chromodynamics.

"We were very glad they could make it," said Alan Carroll, AGS, one of E850's spokesmen, "or meeting our May 1 deadline to start running the experiment would have been difficult."

## Gallagher

(cont'd)

BNL as possible. That is why he worked with Stephanie LaMontagne, Accelerator Development Department, last year to develop a program whereby MIS employees exchange positions with employees in other areas for several weeks.

"We now have one person in Fiscal, one with the RHIC Project and one at the Light Source," said Gallagher. "They're working on systems that interface with MIS, as well as things that are exclusive to those groups. This program has been of enormous effect in rounding out our employees."

Where exchange is not possible, Gallagher said, "I'm big on user communication. I encourage staff members to meet the people they're working with, to build up a good working relationship, and to keep them informed every step of the way. And it works both ways: I encourage users to let us know what they want, and, if there are problems, to let us know early on, so we can correct them together."

Each user starts a relationship with MIS with a request to one of the user project implementation committees. Helping MIS choose among these requests and establish priorities is the MIS Steering Committee. Made up of scientific department chairmen and division managers, and headed by Derek Lowenstein, Alternating Gradient Synchrotron Department, "this committee has been tremendously helpful," said Gallagher.

Among the projects that were given a high priority by the MIS Steering Committee and the Scientific Program Administrators Group headed by William Foyt, National Synchrotron Light Source Department, is an integrated payroll, personnel and personnel forecasting system (3P). For this, John Hauser, RHIC Project, was named user project chairman and a new implementation committee was established. Over the past year, Hauser and the 3P Committee have defined and developed a detailed system specification that will shortly go out for bid. And, said Gallagher, "The MIS Division will be expending a major effort to implement this new system successfully."

Gallagher's concern for users and his ability to work well with them led to his being appointed MIS User Liaison in 1985, five years after he joined the division as an analyst. He was made Applications Support Supervisor in 1986, Assistant Manager in 1987, and Deputy Manager in 1989. Since November 1990, he has been serving as Acting Division Manager. Gallagher has also served as an adjunct professor at both Nassau and Suffolk Community Colleges.

## OCAW Meeting

The Oil, Chemical and Atomic Workers (OCAW) Local 8-431 will have a general membership meeting at 5:15 p.m. on Wednesday, April 3, at Foresto's, Rt. 25, Calverton.

## Hospitality News

On Tuesday, April 2, the Hospitality Committee will hold an informal get-together to welcome newcomers to the Lab — especially those residing in the apartment area on site. It will start at 9:30 a.m. at the Brookhaven Center.

Spouses of Lab employees and guests are welcome. Coffee, tea and danish will be served, and babysitting will be provided free of charge.

## Developments With Student Programs

### Pick a SERS Student

Applications for the 1991 fall Science and Engineering Research Semester (SERS) program run by the Office of Educational Programs (OEP) will be available for review April 1-16, from 9 a.m. to 4:30 p.m., in the Solarium, Bldg. 490, Medical Department. Use the Clinical Research Center entrance and follow the signs.

SERS applicants are junior and senior students with a GPA of 3.0 or above, from any U.S. college or university, who wish to spend a semester away from school doing scientific research.

Applicants make first and second choices of the participating national laboratories where they would like to go — ANL, BNL, LBL, LANL, ORNL or PNL. For the 1991 fall semester, 45 applicants have chosen BNL as their first or second choice. The fall semester runs from August 26 until December 13.

For more information, call OEP, Ext. 4503.

### Sign Up for Summer Science

BNL's 1991 Community Summer Science Program (CSSP) will run July 1 through August 8, and offer a science enrichment experience to local students in the summer following their junior or senior year in high school.

The core of the program is a daily morning lecture series given by BNL staff on forefront topics in science. Possibilities for afternoon participation include mini-courses and a limited number of internships in the Lab's research programs.

CSSP information packets and applications are available from the Office of Educational Programs (OEP), Ext. 4503. BNL staff interested in working with a student intern or otherwise serving in the program should also contact OEP. Completed student applications will be available for staff review in late April.

## Changes in FICA

Next week, when weekly employees open their paychecks for the first week in April, they will find that their FICA taxes are being reported in two parts: Social Security tax and Medicare tax.

FICA stands for Federal Insurance Contributions Act. Up until this year, FICA was reported at a combined rate of 7.65%. The Omnibus Budget Reconciliation Act of 1990 now requires employers to report FICA taxes separately — Social Security taxes at 6.2% and Medicare taxes at 1.45%.

The new law also changed the FICA base. Last year, the maximum amount of an employee's salary from which FICA taxes could be deducted was \$51,300. Now, the maximum taxable wage base for the Social Security tax is \$53,400, while it is \$125,000 for the Medicare portion.

In order for employees to know whether they are approaching or have exceeded the maximum tax in each category, the accumulated taxes will be reported separately on employees' salary statements. For monthly employees, this will begin with the paycheck for April.

## Arrivals & Departures

### Arrivals

Eugene S. Cooper.....Director's Office  
Michael J. Hamilton.....AGS  
James H. Lacy.....Plant Eng.  
Thomas C. Nepsee.....Physics  
Fred Rodriguez.....Contracts & Proc.  
William A. Ryan.....Accel. Devel.  
Denise Swanberg.....Plant Eng.  
Ulysses Tapley.....Plant Eng.  
Claire Zahra.....Plant Eng.

### Departures

This list includes all employees who have terminated from the Lab, including retirees:  
Donna E. Friedman.....Occup. Med.  
Bettie J. Sylvester.....DAS

## Child Development Center Enrollment Continues

Following an informational meeting on February 26 about the program to be offered beginning in September at BNL's Child Development Center (CDC), 41 employees' children have been signed up for part or full-time day care.

To be operated by Child Care Management, Inc. (CCMI), the CDC will accommodate 16 infants, 20 toddlers and 60 preschoolers. Construction of the CDC building in the apartment area is proceeding on schedule, and two playgrounds are now being planned.

So far, all the spaces for infants have been filled, so there is a waiting list of three names. However, there is still space available for toddlers to 36 months, and for preschoolers three to five years old.

As CCMI informed those who attended the February meeting, CDC will be flexible regarding parents' part-time child-care needs.

As a result, until the center is filled, CCMI is waiving its full-time equivalent requirement for part-time care, thereby allowing all children needing part-time care to be enrolled regardless of their required care schedules.

In the meantime, CCMI has appointed the CDC Director, Deborah O'Neill, who may be reached at 924-0008. The formation of a parents group will be announced as the CDC opening approaches.

To register children for the CDC, parents who are either BNL, DOE or AUI employees, or employed by an on-site service organization or having a continuing affiliation with the Lab may obtain the necessary forms from Employee Relations Counselor Susan Foster, Bldg. 185, Ext. 2888.

Completed forms along with a deposit of a month's tuition — which for full-time care is \$495 for infants to 18 months and \$475 for toddlers and preschoolers, but is prorated for part-time care — should be sent to Deborah O'Neill, Just Kids Learning Center, P.O. Box 12, Middle Island, N.Y. 11953. Each check will be cashed only if there is space for the child; if not, the child's name will be put on a waiting list and the check will be returned.

## Breathe Easier This Spring

If you wanted to give up smoking for Lent but couldn't, or if you want to pass on cigarettes after Passover, the next Smoking Cessation Workshop is for you.

Offered by the American Lung Association and sponsored by BNL's Health Promotion Program, the four-part workshop will be held on Mondays, April 8, 15, 22 and 29, from 5-6:30 p.m. in Berkner Hall. It is open to all BNL employees and their dependents.

As the Lab is sharing the cost with each participant, the fee is \$30. It is to be paid in a check made out to the American Lung Association (ALA), and sent to Mary Wood, Bldg. 490, by Monday, April 1.

## Tai Chi Classes

Now that the beautiful spring is here, the Tai Chi group will reactivate on April 8. It is wonderful to practice the Tai Chi on the green ground.

Classes in Tai Chi will be held out by the tennis courts, from 12:15 to 12:45 p.m. on Mondays and Wednesdays. Instructors Dejun Xue and Chuan Yang teach the long form (88 postures) of Yang style.

Each ten-week session will cost \$30, payable at registration preceding the first class, April 8. For more information, contact Yang, Ext. 5790, Physics Bldg. 510E, Room 3-203A.

## Bowling

### Purple League

Steve Gushue had a 221, Joe Ferrante 204, Nancy Erickson 203, Lee Grimes 202, Chris Faustus 200, Fern Simes 190, Elaine Zukowski 184/180, Donna Monteleone 182.

### White League

Sam Logan had a 218, Kurt Jellett 215, Jim Petro 210/201, Jeanne Penoyar 205/190, Paul Callegari 203, Jim Goode 202, Gerry Riker 195/193, Maryann Reynolds 193, Caryl MacDougall 193, Betty Jellett 190, George Munoz 190.

### Red/Green League

A. Borrelli had a 242, R. Larsen 236/203/622 scratch series, A. Pinelli 217/202/603 scratch series, H. Arnesen 215, M. Guacci 212, R. Eggert 211, C. Dimino 210/200, K. Riker 205, W. Powell 204, K. Asselta 200.

### L.I. Industrial Tournament

The team representing BNL placed second overall out of the 16 teams competing and third in the incentive division. Rich Larsen had a 268/213/674 scratch, Ron Mulderig 221, Rich Eggert 206.

## Volleyball

### Standings as of March 21

Open League		League I	
Phoenix	54-15	Cannonballs	41-13
GTEAM	52-17	Upfagrabs	35-19
Magnum	45-24	Rude Dogs	28-26
Me & the Boys	43-26	Dinkers	28-26
Dig It	30-36	Network News	23-31
Penetrating		Upsetters	7-47
Vollies	12-57		
Jet Setters	5-64		
League II		League III	
Fossils	45-9	Nutcrackers	33-18
Net Wits	41-13	High Volley'em	32-19
Nuts & Bolts	40-14	NoKaOe	26-28
Pteropods	34-20	Sourcerers	24-27
Upton Ups	20-34	Undertakers	24-27
Chunga's		Good Timers	22-29
Revenge	16-38	Renegades	19-32
Slammers	15-39		
Aces	5-49		

# Learning to Handle Hazardous Situations

How can you prevent hazardous situations in your workplace — and how should you act if you believe a hazard exists?

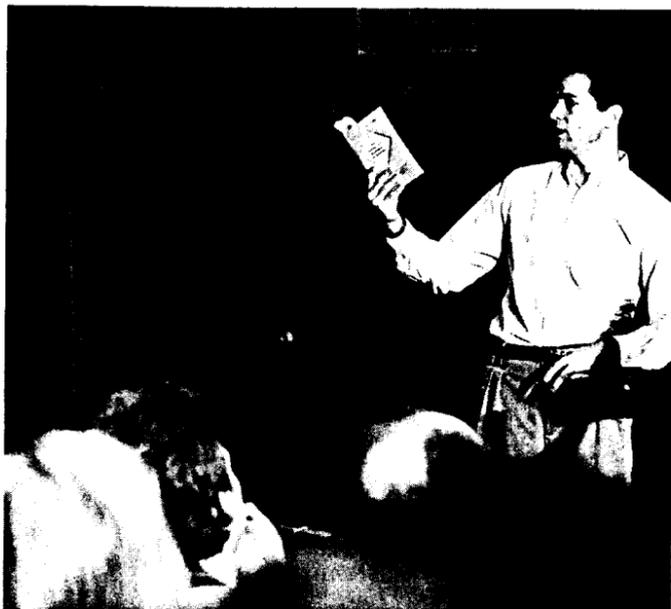
To get answers to these and related questions, 2,741 BNL employees have each attended an approximately two-hour training session on either Hazard Communication or Laboratory Chemical Hygiene.

The training is the result of an intensive effort of the Safety & Environmental Protection Division (S&EP) to ensure BNL compliance with occupational safety and health regulations. The training also fulfills a commitment made during last year's Tiger Team appraisal by the U.S. Department of Energy.

Working out the complex logistics of scheduling sessions on 63 days over the last six months has been the responsibility of Stanley Alter, S&EP. Alter also led most of the small group sessions, with help from a subcontractor and Robert Selvey, S&EP, pictured here in a recent class.

As this training is mandatory for all BNL staff, if you have not yet attended a training session, then you are required to be at one of the scheduled make-up sessions that will take place in the auditorium at Berkner Hall as follows:

- **Hazard Communication:** April 5, 10 a.m., or April 15, 1 p.m.
- **Laboratory Chemical Hygiene:** April 15, 11 a.m.



Roger Stoutenburgh

No advance registration is necessary, but if you have questions, call Stan Alter, Ext. 7132.

## Swim Club

At the U.S. Merchant Marine Academy master's swim meet on Sunday, February 3, five BNL Swim Team members finished 17 times out of 19 starts among the top three in their age group. In addition, Paul Michael set a personal best in the 50-yard breaststroke.

50-yard Freestyle		
Peter Heotis	25.71	1st men 40-44
Paul Michael	32.69	3rd men 60-64
100-yard Freestyle		
Peter Heotis	56.77	1st men 40-44
Paul Michael	1:19.30	5th men 60-64
200-yard Freestyle		
Peter Heotis	2:10.51	2nd men 40-44
Ron Wittlock	2:41.58	3rd men 55-59
50-yard Butterfly		
Paul Michael	40.66	3rd men 60-65
100-yard Butterfly		
Peter Heotis	1:04.56	1st men 40-44
50-yard Backstroke		
Ron Wittlock	33.71	1st men 55-59
100-yard Backstroke		
Ron Wittlock	1:15.40	1st men 55-59
Roger Klaffky	1:18.04	4th men 45-49
200-yard Backstroke		
Ron Wittlock	2:51.73	1st men 55-59
Roger Klaffky	2:55.78	2nd men 45-49
50-yard Breaststroke		
Toshi Sugama	34.08	3rd men 40-44
Paul Michael	43.21*	2nd men 60-65
100-yard Breaststroke		
Toshi Sugama	1:16.10	2nd men 40-44
Roger Klaffky	1:23.47	2nd men 45-49
200-yard Breaststroke		
Toshi Sugama	2:51.32	3rd men 40-44
Roger Klaffky	3:07.82	1st men 45-49

\* indicates personal record

## Basketball

### Games of March 21

Deep Six 78		Scram 46	
T. Buck	28	V. Cassella	16
R. Hart	16	M. Davis	12
J. Kutschera	15	E. Gregory	10
R. McMillan	9	J. Barkwill	8
J. Willi	6		
D. Eleazer	4		
Three-point shots: R. Hart, J. Kutschera (3), R. McMillan			
Runaways 69		Bulls 61	
P. Ratzke	21	W. Cummings	25
J. Desmond	19	M. Williams	13
G. Shepherd	11	S. Gilbert	10
J. Belz	6	F. Ligon	6
R. Wells	5	J. Hrilijac	5
L. Walcott	4	L. Furenid	2
G. Smith	3		
Three-point shots: W. Cummings, J. Desmond, M. Williams (3)			
Trailblazers 67		Celtics 53	
T. Mayo	25	R. Schullman	13
D. Evans	14	P. Browne	10
C. Edwards	10	G. Mack	10
R. Domenech	6	J. Wells	7
R. Garapolo	6	B. Turner	6
S. Cramer	4	N. Schaknowski	4
S. Springston	2	L. James	3
Three-point shots: C. Edwards, T. Mayo (2), R. Schullman, J. Wells			

### Standings as of March 21

Trailblazers	9-1	Bulls	4-6
Celtics	7-3	Scram	3-7
Runaways	5-5	Deep Six	1-9

## Tennis Trip

There are only a few seats left for the bus trip to the U.S. Open Tennis Championships at the National Tennis Center. The date is Tuesday, September 3. The cost of \$33 per person includes a ticket for the day matches and round-trip bus transportation. Advance purchase only; sign up at the BERA Sales Office.

## Equipment Demo

Industrial Instrumentation Services will display Honeywell process instrumentation in Berkner Hall on Wednesday, April 3, from 10 a.m. to 2 p.m. This display will include single loop controllers, both strip and circular chart recorders; and pressure and flow transmitters. Honeywell engineers will be present to answer questions, give application assistance and present literature.

The lines of medical and office equipment and supplies represented by Diversified Trade International will be displayed in Berkner Hall, on Thursday, April 4, 10 a.m. to 3 p.m.

These product lines include: safety equipment and supplies; gloves; pharmaceutical and over-the-counter drugs; syringes; identification bracelets; Puritan products; examination tables, lamps and chairs; and illuminators and imaging accessories.

## Cafeteria Menu

<b>Monday, April 1</b>	
Soup: Split pea	.75/.95
Entree: Braised Swiss steak w/1 veg.	3.45
Entree: Eggplant Parmesan w/1 veg.	3.10
Fitness: Vegetable stir-fried rice	3.10
Carvery: Hot pastrami sandwich	2.85
Grill: Reuben	2.85
<b>Tuesday, April 2</b>	
Soup: Lentil	.75/.95
Entree: Corned beef brisket w/1 veg.	3.10
Entree: Baked lemon-pepper chicken w/1 veg.	3.10
Fitness: Lasagna	3.10
Carvery: Hot roast beef sandwich	2.85
Grill: Monte Cristo	2.85
SPICE: Coffee klatch special — petite croissant	
<b>Wednesday, April 3</b>	
Soup: Black bean	.75/.95
Entree: London broil w/1 veg.	3.45
Entree: Baked ziti w/1 veg.	3.10
Fitness: Turkey divan w/1 veg.	3.10
Carvery: Black Forest ham sandwich	2.85
Grill: Tuna melt	2.45
<b>Thursday, April 4</b>	
Soup: Beef and rice	.75/.95
Entree: Pizza (slice)	.75
Entree: Chili con carne	3.10
Fitness: Vegetable plate	2.45
Carvery: Corned beef sandwich	2.85
Grill: 3-D Burger	2.85
SPICE: Dessert bar — 2nd dessert half price	
<b>Friday, April 5</b>	
Soup: Manhattan clam chowder	.75/.95
Entree: Stuffed peppers w/1 veg.	3.10
Entree: Baked fish w/1 veg.	3.45
Fitness: Stir-fried beef & broccoli w/1 veg.	3.10
Carvery: Hot turkey sandwich	2.85
Grill: Fish fillet sandwich	2.85

## R/C Model Club

The regular monthly meeting will be held on Wednesday, April 3, at Berkner Hall at noon. Plans for 1991 activities will be discussed. Anyone interested in radio-controlled airplanes or model race cars is invited to attend.

## Archery Club

The Archery Club will hold its monthly meeting on Thursday, April 4, at noon in the Physics Seminar Lounge of Bldg. 510. New members are welcome. For information, call Bill Schoenig, Ext. 2377.

## Classified Advertisements

### Placement Notices

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

Each week, the Personnel Division lists new placement notices. The purpose of these listings is, first, to give employees an opportunity to request consideration for themselves through Personnel, and, second, for general recruiting under open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people.

Except when operational needs require otherwise, positions will be open for one week after publication.

For more information, contact the Employment Manager, Ext. 2882, or call the JOBLINE, Ext. 7744 (282-7744), for a complete listing of all openings.

**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.

MRK 8705 MAIL CLERK - (temporary, 5/13/91 to 9/13/91) Staff Services Division.

DD 0670 OFFICE SERVICES POSITION - (term position) Requires AAS or equivalent experience, and excellent secretarial and communication skills. Word-processing experience required; WordPerfect experience preferred. IPAP/JCARS experience highly desirable. Responsibilities include all phases of procurement and database management, as well as filing and general clerical duties. Instrumentation Division.

NS 8703 RESIDENCE CUSTODIANS - (temporary, 5/6/91 to 10/4/91) Staff Services Division.

NS 0918 TECHNICAL POSITION - Requires AAS degree in electronics or mechanical technology, BSME/IE preferred, and a minimum of five years' hands-on experience in vacuum work. Working knowledge of sealography, leak detection, PPA, bakeout procedures, SIPs, TSPs, cryopumps, and handling of cryogenics required. Supervisory experience desirable. RHIC Project, Accelerator Development Department.

NS 0922 TECHNICAL POSITIONS (3) - Requires AAS degree or equivalent experience, and the ability to work from electrical and/or mechanical blueprints or sketches in building and troubleshooting complex equipment. Must have leak-detection experience with components & systems, and experience with PPA, handling of cryogenics, and use of machine and hand tools. RHIC Project, Accelerator Development Department. (Continued on page 4)

# BROOKHAVEN BULLETIN

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

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

NS 0920 ENGINEERING POSITION - Requires BS/MSME or equivalent and understanding of properties/fabrication techniques for a wide variety of materials. Knowledge of vacuum sealography required; welding/metallurgy background preferred. Experience with CAD, i.e., AUTOCAD, computers and analytical tools such as FEA, spreadsheets, etc. desirable. RHIC Project, Accelerator Development Department.

NS 0925 DESIGNING POSITION - Requires AAS degree or equivalent, the ability to work from paper/disk sketches and substantial experience with AUTOCAD. Background in fabrication techniques for a variety of materials required; vacuum equipment-design experience preferred. Good mathematical skills and the ability to handle simultaneous job assignments required. RHIC Project, Accelerator Development Department.

**OPEN RECRUITMENT** - Opportunities for Laboratory employees and outside applicants.

NS 0919 ENGINEERING POSITION - Requires BS in electrical engineering or physics, MS preferred, and working knowledge of control systems in interfacing instrumentation and equipment with a databus. Experience with analytical tools, i.e. CAD/CAM, simulation/synthesis software and equipment also required. Digital and analog experience desired. RHIC Project, Accelerator Development Department.

NS 0916 PROJECT PLANNING SPECIALISTS (2) - Requires BS degree in a relevant discipline, advanced degree preferred, and extensive experience using earned-value concepts in a validated C/SCSC system environment. Five years' experience in cost-account planning and administration, including variance analysis and the generation of EAC's in support of monthly CPR's required. Knowledge of computers, in particular VAX, and LOTUS and DBASE III/IV required. RHIC Project, Accelerator Development Department.

### Motor Vehicles & Supplies

88 LINCOLN TOWN CAR - Signature series, rag top, white w/navy top, loaded, low mi., mint cond., \$13,500. Rosalie, Ext. 3160 or 289-5704.

87 STANZA GXE - loaded, 4-dr., good cond., call on or after Tues., 3/26. Ext. 2610 or 924-5272 eves.

87 HONDA ELITE MOPED - excel. cond., \$350. Russ, 325-0563.

87 MUSTANG GT - low mi., all avail. options, garaged, alarm, cover, T-top, ext. warr., mint cond. in & out. Ext. 3082.

87 TOYOTA PICKUP - 52k mi., good cond., \$3,500. Jeff, Ext. 5262.

86 FORD F-250 PICKUP - 4wd, new clutch & exhaust, bedliner, heavy-duty springs, am/fm cass., 77k mi., excel. work truck, \$5,000. 878-6274.

86 BUICK REGAL LTD - metallic maroon, velvet int., cruise, ac, am/fm cass., p/s, p/b, p/w, V-8, excel. cond., \$6,500. Lou, Ext. 4672 or 588-7260.

86 CHRYSLER NEW YORKER - turbo, 4-dr., white, white vinyl roof, leather int., all avail. options, \$6,200. Jim, Ext. 4040 or 289-0876.

86 BUICK CENTURY - custom, 75k mi., a/t, ac, loaded, mint cond., best offer. Kong, Ext. 3867.

86 FORD ESCORT - 5-spd., 50k mi., excel. cond., \$4,500 neg. Scott, 331-1349.

85 FORD LTD - s/w, 6-cyl., ac, 68k mi., a/t, am/fm, cruise, excel. cond., \$3,200. Barbara, Ext. 2456.

84 BRONCO XLT 4x4 - new engine, carb., radials, \$6,200. Bob, 924-8735 eves.

80 HONDA ACCORD - 5-spd., some rust, runs well, \$500 or best offer. F. Meier, 929-4258 after 5 p.m.

80 OLDS 98 - 45k mi. on rebuilt gas eng., dual batt., excel. cond., \$2,995. Ext. 2625 or 467-8297 eves.

80 TOYOTA TERCEL - 5-spd., am/fm cass., 2-dr., sunroof, good cond., must see, \$850 neg. 475-2872.

80 FORD E-250 VAN - p/s, p/b, a/t, new brakes & tires, good work van, windows, \$800. Jim C., Ext. 4150.

79 DATSUN 210 - new front tire, & rear gas shocks, good batt., eng. needs work, \$150. James Gibbs, Ext. 5318 or 399-4912.

78 CHEVROLET IMPALA - 48k orig. mi., small V-8, 305 cu. in., excel. cond., ask \$3,000. Ext. 4364.

66 MUSTANG - conv., original, 289, 3-spd., dual ex., pony int., console, immac. cond., 2-time show winner, \$16,500. Whitey, Ext. 2913.

55 OLDS 88 - 4-dr., V-8, a/t, runs well, driveable, needs restoration, \$675. Frank, 399-2290.

CAP - fiberglass, fits full-size pickups w/8' bed, fair cond., \$10. Ext. 4597 or 924-8213.

MOPED - Honda Express, 350 mi., \$200. Leo, 728-0992 after 5:30 p.m.

89 HONDA CIVIC - h/b, 4-spd., ac, am/fm ETR w/cass., rear hatch, cover dual mirrors, DIG clock, ask \$5,895. Bob Rooks, Ext. 4417 or 718-357-9045.

87 GMC S-15 JIMMY 4x4 - ac, p/w, cruise, tilt, cass., 55k mi., extras, mint cond., \$9,850. Chuck, 331-9892.

87 TOYOTA PICKUP - 4wd, 33" B.F. Goodrich, bedliner, step bars, am/fm cass., low mileage, excel. cond., \$8,000. 584-6476.

86 FORD MUSTANG LX - p/s, p/b, ac, sunroof, 4-cyl., excel. cond., \$4,000 neg. Ext. 2313.

86 TOYOTA COROLLA - 4-dr. sedan, \$2,300; 1971 to 1978 Goebel Hummel plates & frames, \$1,200. Herb, 924-5621.

86 MERCURY GRAND MARQUIS LS - fully loaded, V-8, o.d., tilt, p/s, ac, cruise, 2-dr., excel. cond., \$5,200. Bob, 821-0695.

85 VW SCIROCCO - 4-cyl., 5-spd., 100k mi., excel. cond., \$3,900. Toni, Ext. 5257.

85 SUBARU XJ - light blue, am/fm, 5-spd., sunroof, clean, 93k mi., \$3,800. 757-1973.

84 WEEKENDER TRAVEL TRAILER - awning, propane tanks, skid plate, excel. cond., must see, priced for quick sale. 289-1831.

84 OLDSMOBILE OMEGA - a/t, ac, p/s, p/b, deluxe stereo, 64k mi., great gas mileage, mint cond., \$2,495. Don, 928-7734.

84 LAZER XE - 2.2L turbo, 5-spd., sunroof, fully loaded, good gas mileage, very clean, \$2,000. Mike, Ext. 4666.

83 PLYMOUTH HORIZON - m/t, am/fm stereo cass., high mileage, new tires, 30 mpg, \$625. Jon, 689-8740.

83 OLDS DELTA ROYALE - metallic brown, a/t, cruise, ac, fully loaded, orig. owner, 82k mi., \$2,200. Chan, Ext. 4059.

83 CADILLAC ELDORADO ROADSTER - carriage top, moonroof, all options, runs well, looks beautiful, asking \$4,500. Chuck, 331-9892.

83 CHEVY SUBURBAN C10 4x4 - Silverado pkg., loaded, new trans. & rear, new brakes front & rear, asking \$5,000. Fern, Ext. 3969 or 878-6580.

83 AUDI 40004E - needs work, best offer. Wendy, 288-3609.

83 280Z - turbo 2+2, a/t, 2-tone gray, 50k mi., T-top, leather int., mint cond., \$4,900 neg. 281-7035.

82 CHEVY SUBURBAN 20 - 56k mi., diesel, \$3,000. Terry, 473-8426.

82 DODGE RAM CAMPER VAN - sleeps 4, refrig., heater, 8-cyl., 89k mi., excel. cond. 924-6129.

82 TOYOTA COROLLA - p/b, p/s, ac, stereo cass., sunroof, good cond., \$1,750. 744-4185.

81 CAMARO Z28 - gray/black, 88k mi., 302, 4-spd., ac, stereo, new headers, exhaust, batt., tires, v.g. cond., \$3,200. John, Ext. 4666 or 929-3407.

81 BUICK SKYLARK - 2-dr., ac, a/t, p/b, p/s, am/fm, 55k mi., best offer. Gerry, Ext. 2055.

81 CELICA - 2-dr., 5-spd., excel. body, am/fm tape, 29 mpg, needs engine, \$435. Jack, Ext. 4037.

81 ACCORD - 5-spd., runs, rust, buy before it is all oxidized, no reasonable offer refused, \$500 neg. Alison, 369-4922.

79 PONTIAC CATALINA - 4-dr., p/s, p/b, a/t, 70k mi., ask \$650. Rich, Ext. 7013 or 698-5294 after 6 p.m.

79 DATSUN 280ZX - 79k orig. mi., runs, mint wood., will negotiate. \$2,000. Emil, Ext. 4289.

79 CELICA TOYOTA - h/b, 5-spd., am/fm, 127k mi., runs well, asking \$795. Marty, Ext. 2521 or 878-4996 eves.

79 MOBIL TRAVELER MOTOR HOME - 18', fully contained, sleeps 4, low mileage, excel. cond. in & out, must see, \$5,500. 732-5445.

78 FORD FAIRMONT - orig. owner, good cond., low mileage, well maintained, \$750. 286-9390.

78 TOYOTA CELICA - 5-spd., m/t, ac, am/fm cass., 130k mi., runs well, \$800, and get free a color TV. Nelson, Ext. 3861 or 3072 for messages.

77 FORD F250 4x4 - 351W, 4-spd., 1200-16.5 tire, second owner, adult driven, excel. cond, \$2,500. Dick, Ext. 3354 or 589-9103.

76 FORD CLUB CUSTOM VAN - new custom int., low orig. mileage, excel. cond., must be seen to appreciate, \$2,500. 878-4825.

76 OLDS SUPREME CUTLASS WAGON - 87k mi., orig. owner, good cond., best offer. Ext. 4099 or 689-9214.

76 DODGE VAN CAMPER - fully equipped, sleeps 2, snap-on room for additional sleeping, good cond., reasonable. 929-8772.

75 PONTIAC LEMANS - runs, trans. slips, make offer. Ext. 3963 or 928-0516.

73 DODGE CORONET - 318 cu. in., 8-cyl., p/s, p/b, 79k mi., orig. owner, 4-dr., 2 new tires, good cond., \$1,200. Ext. 7795 or 589-8331.

60 CHEVY IMPALA - 4-dr., 283 w/4 bbl, a/t, one owner, all orig., runs very well; '70 Jeep CJ5, w/wo snowplow. Frank, Ext. 3120.

VW PARTS - new & used parts for VW type 3, cheap. Willi, Ext. 4489.

CARBURETOR - rebuilt for Ford club van, 6-cyl., \$35. 878-4825.

MOTORCYCLES - '73 Yamaha RD 60; '77 Yamaha XS 750, both need work, best offer. 286-3851.

CAP - workman's utility, ladder racks & locking doors, white, fits Chevy S10 long-bed. Frank, 399-5840 after 6 p.m.

TIRE - 165SR13, \$15. Ext. 4000.

TIRES - P175/80/R13, \$20; P165/80/R13, \$10; toddler's car seat, \$40. Kathy, 744-2203.

### Boats & Marine Supplies

27' I.M.P. EXP CRUISER - 1986, sleeps 6, fully loaded, 200 eng. hrs., swim platform, 7 gph, 260 Merc. i/o, asking \$25,000. Elaine, 737-4127 eves.

25' MORGAN SAILBOAT - 1968, new sails & motor, boat in water, \$8,000. 821-0686 eves.

19' BOWRIDER CRUISER - 1972, w/1976 115-h.p. Johnson, canvas, trailer, w/elec. winch, \$2,500. Frank, Ext. 2314 or 567-5131.

14' HOBIE CATAMARAN - roller reefing jib, trailer, v.g. cond., \$1,600 or best offer. Ext. 7657 or 298-9560.

14' SEARS BOAT - w/trailer, extras, 40-h.p. Johnson, \$500; Southbend lathe, \$400. 289-0883.

8' DINGHY - fiberglass, \$250; 6'6" dinghy, 2 section for easy transport, \$150. 928-1020.

### Furnishings & Appliances

DINING ROOM - antique art deco, table w/leaf, 4 chairs, cabinet server w/mirror, \$1,000 neg. Dominick, Ext. 4851.

COUCH - 6 1/2', gray, velour-like material, good for den or playroom, soft & comfortable. Jean or Janice, 929-4522.

LOVESEAT - Broyhill, mint, brown velour, asking \$200; 2 end tables, med. wood, glass tops, matching cocktail table, \$50/ea. Ext. 3872.

MICROWAVE - Whirlpool, compact, 500W, 30 min. timer, balanced cooking, 2 yr. old, \$85. Cora, Ext. 7681.

REFRIGERATOR - Hotpoint, white, 10.6 cu. ft., 2 yr. old, \$175. 744-6874.

RUG - 10'x14', indoor/outdoor, beige, \$45; stereo system, \$50; salon hair dryer, \$10; exercise bike, \$5; electric typewriter, \$55. 744-9022 eves.

DRESSER - double bed w/headboard. Ext. 2487 or 928-6930 after 4:30 p.m.

DISHWASHER - Kenmore, like new, moving, must sell, asking \$200. 298-2005.

WATER BED - super single, semi waveless, 6 mo. old, all access., \$150. Michelle, Ext. 3457 or 732-0648.

CHAIR - hanging, rattan, excel. cond., \$40 or best offer. Donna, Ext. 4103.

DINETTE - solid maple, trestle table, 4 chairs, 1950s vintage, \$125. Karen, Ext. 4262.

WATER BED - king size, waveless mattress, heater, padded rails, liner, v.g. cond., asking \$175. Artie, 696-2398.

### Tools, House & Garden

CONCRETE NAILER - Bostitch, model T383, orig. \$700, asking \$225. John, 395-3485.

GENERATOR - Generac-Niagara, 4,000W, never used, purchased through the Lab after Hurricane Gloria, \$350. Cora, Ext. 7681.

GENERATOR - Niagara, 4kW, used about 4 hrs., \$325. Bill, Ext. 2047 or 472-4684 after 6 p.m.

GENERATOR - Generac, 4,000W, 110-220 volt, new, \$375. Dick, Ext. 3354 or 589-9103.

HOT WATER BOILER - low pres. burner, Stewart Warner, cast iron, good cond., \$50. 363-9527.

HOT WATER HEATER - 42 gal., w/circ., \$250; range, elec. \$50; snowblower, \$50; 36" Craftsman lawn tractor, w/o motor, \$100. John, Ext. 3302.

KEROSENE HEATERS - Sears, 9,300 Btu, \$30; Van Wyok 20,000 Btu, \$40; both in v.g. cond. Sean, Ext. 3403.

LAWN TRACTOR - Wheelhorse, 10-h.p. Kohler eng., 23", \$750; Rickett lawnmower, 22", 3 1/2 h.p., \$60; more. Dan, Ext. 4987 nights or 698-7322.

LAWN MOWER - electric, 3 yr. old, excel. cond., \$40. 474-3799 afternoons.

PUMPS - Sears, 1/2 h.p., \$20; Goulds 1 h.p. pump, \$30; 40 gallon plastic lined tank, \$25. 475-8971.

TOPSOIL - fine, screened, 3 yard minimum, delivered; Honda generator, 5000, electric start, brand-new, \$1,800. 696-6011.

TV ANTENNA - \$50; Snapper mower, \$30; 1/2 cord wood, \$60; tennis racket, \$5. Kathy, 744-2203.

WELDER - Lincoln, 200A, powered by Continental 4-cyl. eng., asking \$1,500. 744-3204 after 6 p.m.

WHITE PINE TREES - up to 4', \$2/foot. John, 744-5867.

CHAINSAW - McCulloch 2.0, 14" bar, 2 new blades worth \$35, \$60/all; firewood, seasoned, split, del. locally, \$130/cord. Glenn, 924-2035.

### Sports, Hobbies & Pets

SKI BOOTS - Rachle, 860cm, size 9 1/2, new, orig. \$130, sell for \$65; Rachle, 860cm, size 9, new, \$65. 474-3799 afternoons.

BOW & ARROW - \$20. Ext. 5320.

CAMERA LENS - Tokina ATX, 35-200, excel. cond., \$80; Nikon mount; plastic photo pages, for 3 1/2" or slides, 15¢/ea. I. Meyer, 929-4326.

POOL TABLE - bumper, flips over for card table, dark wood, excel. cond. 369-2716 after 6 p.m.

POOL PUMP - 1-h.p., WMC-Columbia series, like new, orig. \$260, now \$175 neg. Ernie, 588-4987.

### Audio, Video & Computer

REEL-TO-REEL - Revox A-77, \$200; Crown IC-150 pre-amp, \$40; Thorens TD-125 turntable, no arm, \$40. Bob, Ext. 5851.

SCANNER - Bearcat 800XLT, 40 chan., RCVR, 29-912 MHz, priority chan., weather, lockout control, memory scan, \$200. Don, 598-1783.

### Miscellaneous

CARRIAGE-STROLLER - Graco, v.g. cond., \$30. 281-5076 after 6 p.m.

CAR SEAT - Fisher Price, excel. cond., \$30. John, 395-3485.

FORMALS - tea-length, Eve of Milady, emerald, velvet bodice, w/sequins, taffeta, new, 2 size 7, 2 size 10, orig. \$260, asking \$125. Dawn, Ext. 2456.

MAPLE SYRUP - from family farm in Vermont. Peter, Ext. 7687 or 744-1112.

VAPORIZER - \$5; snow sled, \$4; potty chair, almost new, \$6; child's sneakers, \$5/ea. Noemi, Ext. 3180.

PROM DRESS - knee-length, peach, off-the-shoulder sleeves, ruffles, worn 1990 prom, \$75. Paul, Ext. 4156.

### Free

COMPUTER - Apple IIC, several years old, works OK, monitor needs repair, no printer. Maria, Ext. 3228.

KITTENS - black & white and gray & white, need a home. 298-2005.

GRAVEL - 3/4, approx. 2 yds., you haul. 286-1097.

SHEPHERD - 4-mo.-old female, all shots & wormed, black & white. Joe, 281-8943.

CAP - for small pick-up; rabbit cage. Dan, Ext. 4597 or 878-1255.

### Lost & Found

LOST - watch, brown leather band, woman's, in Bldg. 134. Diane, Ext. 2347.

FOUND - glove, LH, leather & wool, dark blue, at BERA Ball Field. Lew, Ext. 3502.

### 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

HAUPPAUGE - ground-level apt., furn., l/r, bdrm., hot plate, working single, nonsmoker, no pets. 265-0867 eves.

LAKE PANAMOKA - 2-bdrm. apt., ground level, sunny kit., l/r, d/r, picture window, sit on your own beach, \$775/mo. incl. all, Apr. 1 occupancy. 929-8846.

MASTIC - 2-3 bdrm. apt., priv. ent., yard, near water, 15 min. to Lab., \$700/mo. pays all, avail. immed. Jim, 281-2849.

MATTITUCK - 1-bdrm. apt., large l/r & closets, full bath, kitchenette, sep. ent., quiet wooded area, near water, nonsmoker, \$350/mo. Ext. 7657 or 298-9560.

MATTITUCK - 3-bdrm. house, 1 1/2 baths, l/r-d/r w/2 bay windows, sun deck, w/w, drapes, all appl., on 3/4 acre, 2 blocks to town, \$850/mo. + util., avail. May 1. Ext. 5161 or 298-2166.

N. BAYSHORE - 2 bdrm., l/r, eik, d/r, w/w, den, semi-furn., 1 1/2 baths, more, single, working, nonsmoking adult, no children/pets, \$475/mo. + 1/2 util. Walt, Ext. 2907, 698-0576 or 231-6017.

PATCHOGUE VILLAGE - 1-bdrm. apt., new, full bath, furnished or unfurnished, kitchen, use of fenced-in yard, cable, phone jacks, quiet neighborhood. 289-7902 or Ext. 4087.

PORT JEFFERSON STATION - 2-bdrm. apt., l/r, eik, bath, quiet area, 30 min. from Lab., priv. ent., single preferred, \$500/mo. all. 757-1973.

ROCKY POINT - 3-bdrm. house, 2 full baths, all new appl., \$950/mo. 231-5141.

SETAUKET - large, new studio, eik, l/r, bdrm. area, full bath, priv. ent., no pets, nonsmoker, \$550/mo. all. 732-9682 days or 737-4127 eves.

SMITHTOWN - all brick, 3 bdrm., l/r, d/r, eik, den, 2 baths, full fin., bsmnt., 1-car gar., gas hot air, 2 zones, Andersen windows, 1/4 acre, \$1,000/mo. + util., opt. to buy. Bawa, Ext. 3499 or 331-8128.

SOUND BEACH - 1-bdrm. apt., full bath, kitchen-l/r combo, cable, priv. ent., \$600/mo. incl. all; also, 2-bdrm. apt., bath, l/r, eik, near all, \$675/mo. + elec. Ext. 2671 or 744-3284 after 4 p.m.

SOUND BEACH - 2-bdrm. house, large l/r, full kitchen, full bath, walk to beach, Miller Place SD, \$700/mo. + util. 744-1240 days or 744-5278 eves.

YAPHANK - 2-bdrm. house, l/r, d/r, new eik, bath, porch, quiet dead-end street, 7 min. from Lab., \$750/mo. + util. John, Ext. 3302 or 924-0651.

MAINE - Mt. Desert Island, lakefront, full furn., 1-rm. cottage w/sleeping loft, kitchenette, bath, fp, deck on Echo Lake, Acadia National Park, June 15-Oct. 15, \$400/wk. Bob, Ext. 2514.

CLAREMONT, NH - 2-bdrm. condo, under 40 mi, to ski Killington, Okemo, Magic Mt., Mt. Sunapee, \$330/wk., \$225/weekend. Frank, Ext. 7749.

HILTON HEAD, SC - 2-bdrm. condo, golf course, Apr.-Sept. \$450/wk. Guy, Ext. 3147 or 689-5378.

N. MYRTLE BEACH, SC - 1-bdrm. condo, sleeps 4, tennis, fitness, in/outdoor pool, neighbors Bay Tree Golf Course, beach rights, golf package avail., April-May, \$250/wk. Joann, 472-6742.

### For Sale

BAYSIDE - exclusive 1-bdrm. co-op, breakfast nook, modern kit., bath, California closet, tennis, pool, beautiful area & grounds, 1st class shops, rent/lease/option, Julia, 718-468-8097.

BELLE TERRE - choice residential 1 acre bldg. lot, English Tudor section, Village 24-hr. police, beach, children's programs, golf, tennis, \$195,000, terms. 928-1020.

BROOKHAVEN HAMLET - 4-bdrm. Cape Cod, 2 baths, d/r, l/r, eik, 2-car gar., 20' deck, patio, more, close to bay, 3/4 acre