BROOKHAVEN BULLETIN
Vol. 46 - No. 20 May 15, 1992
BROOKHAVEN NATIONAL LABORATORY

Samios Appointed AUI Distinguished Scientist

Laboratory Director Nicholas Samios was given the greatest accolade the Board of Trustees of Associated Universities, Inc. (AUI) can grant to Brookhaven's scientific staff last month when the Board appointed him AUI Distinguished Scientist.

"This title is very appropriate," said AUI President Robert Hughes. "Nick is a distinguished scientist and a distinguished national scientific leader. In the future annals of Brookhaven National Laboratory, his many contributions will be recognized for their historic importance. The Board warmly expressed this in awarding him the highest honor that it can bestow."

At a dinner during the AUI Trustees meeting last April 23, Samios was presented with a certificate signed by Hughes and by Chairman of the Board Val Fitch. It stated that the appointment was being made: "In recognition of his scientific achievements and international standing in the field of high energy particle physics and in appreciation of his extraordinary contributions to Brookhaven National Laboratory as Scientist, Chairman and Director."

Roger Stoutenburgh

Nicholas Samios

At that time, Fitch, a Nobel laureate and the James S. McDonnell Distinguished University Professor of Physics at Princeton University, observed, "As you all know, prior to his becoming director, Nick's scientific accomplishments gave the Laboratory much luster indeed. And now, for almost ten years, he has been a superb Director, enhancing the vitality of the Laboratory and creating RHIC out of the ashes of ISABELLE. Parenthetically, the SSC magnets are also coming out of the ashes of ISABELLE. What marvelous ashes!"

Earlier that day, in order to emphasize the importance of the appointment, the Trustees had also voted to bestow a one-time award of $10,000 on any future such appointments. So Samios became the first AUI Distinguished Scientist to receive this additional honor.

He also joins an elite group that includes only two others who have ever been so honored, both of whom now bear the title AUI Distinguished Scientist emeritus: Maurice Goldhaber and Ernest Courant.

Renowned for his seminal contributions to nuclear and fundamental particle physics, Goldhaber was BNL Director from 1961 to 1973, the year he received this appointment; Courant, an accelerator physicist and one of the discoverers of the strong focusing principle that has guided all accelerators beginning with BNL's Alternating Gradient Synchrotron (AGS), was appointed in 1990.

Nicholas Samios first came to Brookhaven in 1952, as a senior at Columbia College, participating in the first year of the Lab's Summer Student Program. After earning his Ph.D. in physics at Columbia University in 1957, he stayed on at Columbia as an instructor in the Department of Physics.

A high energy physicist, Samios joined BNL's Physics Department in 1959 and was made group leader of

(continued on page 2)

AUI Distinguished Lecture

Yuri Orlov on Political Upheaval in the Soviet Union and Russia

Yuri Orlov, a human rights activist from the former Soviet Union, first delivered a physics colloquium at BNL in 1986 — less than three weeks after he had been stripped of his Soviet citizenship and exiled from his home country.

Yuri Orlov

On Thursday, May 21, at 4:30 p.m. in Berkner Hall, Orlov, now Senior Scientist at Cornell University's Newman Laboratory of Nuclear Studies, will again speak at the Lab — not about science, but about the recent political upheaval in his native country.

In an AUI Distinguished Lecture, entitled "The End of the Greatest Social Experiment in the Modern World," Orlov will discuss problems of communism in the Soviet Union, as well as the difficulties of making today's Russia a democratic society.

Orlov will explain why he believes communism failed in the Soviet Union and discuss the historical background of the birth of democracy in Russia. He will also comment on the Western response to democratic reforms in his former homeland.

Yuri Orlov was born in Moscow in 1924, educated at the Yerevan Physics Institute in Armenia, and spent much of his scientific career working on accelerators at that institute.

In 1978, Orlov was sentenced to seven years in a labor camp for publicly disagreeing with the Soviet government. As founder of the Moscow Helsinki Watch Group, which monitored Soviet compliance with human-rights provisions in an international agreement, he had voiced concern over human-rights violations.

When he was released from the labor camp in 1984, he was exiled to Siberia and finally deported to the U.S. as part of an arrangement that led to the release of the American journalist Nicholas Daniloff in exchange for a Soviet spy.

Since 1987, Orlov has been a researcher at Cornell. He has also participated in preparations for the muon g-2 experiment at BNL's Alternating Gradient Synchrotron. Orlov is the author of 70 scientific articles, several articles on politics and human rights, and, in 1991, an autobiography, *Dangerous Thoughts*.

Associated Universities, Inc. initiated the AUI Distinguished Lecture program in 1965 to offer talks by experts in various fields of interest to the general public. Before Orlov's talk at 4:30 p.m., refreshments will be served in the Berkner Hall lobby.

Got the Coil on a String!

(See "World's Largest Superconducting Coil Completed" on page 2.)

Roger Stoutenburgh

Watkins Stops by BNL Booth

U.S. Secretary of Energy James Watkins stopped by BNL's "Technology Transfer Opportunities" display at the National Technology Initiative (NTI) meeting held in Cleveland in April, where he met up with BNL's Dorry Tooker, Office of Technology Transfer.

The NTI program aims to foster greater cooperation between U.S. companies and federal laboratories to improve U.S. competitiveness in the global market. The meeting opened with a talk by Vice President Dan Quayle.

In addition to Tooker, David Welch, Department of Applied Science, represented BNL at the NTI booth. In keeping with the meeting's theme of "Materials/Advanced Manufacturing," they introduced the attending industrial executives to BNL's unique designated-user facilities, which are available for use by industry researchers for a variety of materials characterization work.

Where Parallels Meet

Massively parallel computers offer a way to resolve many-faceted problems by dividing them up and having several computers calculate each part simultaneously. Research on developing ways to use this impressive computational power in scientific applications drew 35 participants together at Brookhaven for the Partnership in Computational Science Meeting on May 5 and 6.

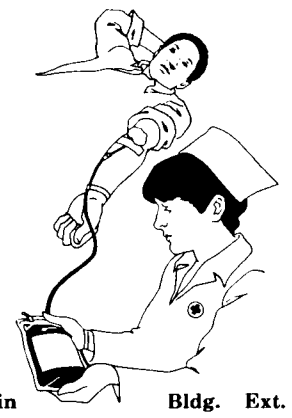
The meeting, held twice annually by a partnership of four national laboratories and seven universities, is funded by the U.S. Department of Energy's effort in the federal high-performance computing and communications initiative.

Hosted by BNL, with assistance from the State University of New York at Stony Brook, this May's attendees included: (from left) Paul Huray, University of South Carolina; Richard Ewing, University of Wyoming; Edward Oliver, Oak Ridge National Laboratory; Bob Ward, Oak Ridge; Mary Wheeler, Rice University; James Glimm, Stony Brook; and Ronald Peierls, BNL.

Currently, the partnership's researchers are being challenged with two specific tasks designed to make full use of the advantages of parallel computing — modeling groundwater transport, or the paths of contaminants in groundwater, and also, modeling simulations of the thermodynamic properties of metals and alloys.

BNL's participation is through the Mathematical Sciences Group in the Department of Applied Science, in collaboration with the Solid State Theory group in the Physics Department. The work is being done using the massive parallel computer system based at Oak Ridge with smaller systems at other institutions, such as the one shared by BNL and Stony Brook.

Circulate Your Blood!



A three-day blood drive will be held on Wednesday, Thursday and Friday, June 3, 4 and 5, from 10 a.m. to 3 p.m., in the Brookhaven Center.

Two pledge cards have been sent to each employee so that friends or relatives may also join the BNL campaign. Please sign up as soon as possible. For more information, contact Susan Foster, Blood Drive Chair, Ext. 2888, or the Blood Program Captain for your department or division (see list):

Dept.	Captain	Bldg.	Ext.
ADD	Paul Ribaudo	902A	5134
	Suzanne Agnetti	830	7931
		1005	
AGS	Philip Warner	911A	7934
AUI	Elliott Levitt	134A	2495
Bio.	Richard Sautkulis	463	3386
CCD	Jim Calcanes	515	4150
Chem.	Nancy Sautkulis	555A	4304
CSD	Al Campbell	903	2043
	Christine King	462U	5033
	Steve Gracia	479	3498
DAS	Pat Taylor	179A	2452
	Claire Lamberti	318	3051
	Pat Kriss	426	4538
	Maggie Marsch	426	3275
	Arlean Vanslyke	475	2387
	Maryann Larese	480	3508
	Lenore Dudzick	515	2954
	Arleen Lancsarics	815	4519
DCP	Jeanmarie Volkmann	355	7722
DNE	Deborah Shurberg	130	2602
	Kara Roman	130	3643
	Tony Santaniello	197C	4544
	Bridget Ramos	197C	2119
	Linda Hanlon	475B	7517
	Patricia Durcan	703	3807
	Larry Milian	830	4364
DO	Janet Sillas	134	2345
DOE	Clare Appleton	464	7812
Fiscal	Susan McKeon	134	2800
Instr.	Patrick Gilleeny	535B	2836
Med.	Peggy Micca	490	3556
MIS	Michelle Cummings	459	2077
NSLS	Pat Powers	510E	4828
	Judy Thompson	725C	2145
OMC	Mickey Sacker	490	3671
PE	Tim Anderson	134C	5277
	Tirre Farmer	452	3288
	Ron Mulderig	326	3084
	Bruce Laakmann	422	5316
	John Orris	97	5347
Pers.	Marsha Kipperman	185	2871
P&GA	Phyllis Domenech	197B	2907
Phys.	Cora Feliciano	901A	7681
	Liz Mogavero	510A	3940
Reac.	Kym Bothe	750	7247
	Tracy Ryan	120	5864
	Julie Teuber	703	2513
S&EP	Len Emma	535A	3334
	Michael Carroll	599	2351
SMD	Mike Guacci	211	2976
SSD	Joan Perullo	179B	2549
S&SD	George Misson	50	2231
	Maryann Reynolds	703	5241
TID	Maria Apelskog	477A	3138

Equipment Demo

In conjunction with the NSLS Annual User's Meeting, there will be displays from 22 different vendors in Berkner Hall, Rooms A-D, on Tuesday, May 19, from 8 a.m. to 5 p.m., and Wednesday, May 20, from 8 a.m. to 1 p.m. The vendors will display vacuum instrumentation, hardware, pumps and gauges, synthetic multilayers, diffraction equipment, data-acquisition hardware, monochromators, linear and area detectors, NIM and CAMAC modules.

Computing Seminar

On Thursday, May 21, Data I/O will present a seminar on programmable logic devices and field programmable logic array (PLD and FPGA) technologies in the CCD Seminar Room, Bldg. 515, from 10 a.m. to noon. This will include a history and overview of PLD development by a broad range of manufacturers, a description of current software tools used to develop and program PLDs, and discussion of test techniques.

More details are posted outside the seminar room. Register early with Rich Carlsen, Ext. 4172, as this seminar is expected to draw a capacity crowd.

Hospitality News

The next meeting of the Women's Forum, which is conducted by Marion Davis-Parzen, will be Tuesday, May 19, at 10 a.m., in the Recreation Building in the apartment area.

The group meets every third Tuesday of the month to discuss women's issues and to share experiences and concerns. Wives of Lab employees and guests are welcome. Come and bring the children.

Samios (cont'd)

the Nuclear Interactions Group, later dubbed the New Group, in 1965.

Under his leadership, the Omega-minus particle and the charmed baryon were discovered at the AGS, in 1964 and 1975, respectively. For this work he received, in 1980, an E.O. Lawrence Memorial Award from the U.S. Department of Energy, as well as the new York Academy of Sciences Award in Physical and Mathematical Sciences.

Samios chaired Physics from 1975 to 1981, then moved to the Director's Office as Deputy Director for High Energy and Nuclear Physics. In January 1982, he was appointed Acting Director and was confirmed as Director in May of that year.

As Samios' tenure as Director began, ISABELLE, the colliding beam accelerator (CBA) then under construction at BNL, was experiencing technical problems. Despite Samios' leadership in having the CBA's superconducting magnets successfully redesigned, the project was canceled by the national high energy physics community, which favored building the much larger Superconducting Super Collider (SSC) in CBA's stead.

To use the "ashes of ISABELLE" to which Fitch referred for physics on a new frontier, Samios reversed the accelerator setback by guiding BNL staff to use the completed CBA ring, the magnet technology and other developments in proposing the concept for RHIC — BNL's Relativistic Heavy Ion Collider, which has been under construction since last year.

Samios' insistence on perfecting CBA magnet technology has paid off not only for RHIC, but also for the SSC, which will employ that technology to build over 8,000 of its magnets.

By spearheading RHIC, which is scheduled for completion in 1997, Samios has also brought new life to two existing BNL machines: the Tandem Van de Graaff and the AGS, which are two links in the chain of accelerators that will serve as the injector for RHIC. To allow the AGS to be used as a RHIC injector, Samios worked for the approval and completion of the the third link, the AGS Booster, which was fully commissioned this spring.

In addition, Samios has overseen the expansion, completed in 1989, of the National Synchrotron Light Source, the world's foremost facility for scientific research using synchrotron radiation, and the establishment, in 1986, of BNL's Center for Accelerator Physics (CAP), which is about to celebrate the start of experiments at its centerpiece, the Accelerator Test Facility.

A Fellow of both the American Physical Society and the American Academy of Arts & Sciences, Samios is a member of both the National Academy of Sciences and the New York Academy of Sciences.

— Anita Cohen

World's Largest Superconducting Coil Completed

The world's largest superconducting coil "on a string" (photo on front page) is hanging, not on anyone's finger, but from a massive crane just outside Bldg. 919. Here, in barely six months, the coil was completed by engineers and technicians from the Alternating Gradient Synchrotron (AGS) Department, assisted by members of the Central Shops Division.

The enormous ring, 15 meters in diameter, is really two coils fixed together. They make up the third and fourth of four similar coils that will help power a precision superconducting magnet to be used in AGS experiment 821 on muon magnetism.

Muons are electrically charged particles that spin on their own axes, acting like tiny magnets. E821 will measure g minus 2, the minute effect — only 0.1 percent — that virtual particles such as the W boson and the photon, which carry the weak and electromagnetic forces respectively, have on muon magnetism when the muons travel in a magnetic field. With the particle intensity made possible by the new Booster (see photo background), the AGS is the ideal accelerator for this experiment.

The coils were constructed inside Bldg. 919. To get them outside, the finished structure was hooked to a hoist and lifted onto special tracks (photo at right). The building's removable wall was taken away, allowing the coil to be pulled outside by a small portable winch until the center of its "spider" support lay under an outside hoist. Once attached to this mammoth crane, the coil was lowered into its position on the foundation holding the two previously completed inner coils.

— Photos on this page by Roger Stoutenburgh

But that was last month. In Bldg. 919, work is already well under way on the vacuum tanks for a huge coil cryostat that will keep the superconducting magnet cool when the storage ring is commissioned in December 1993.

— Liz Seubert

Coming Up

The 1992 NSLS Annual Users' Meeting will be held on Tuesday and Wednesday, May 19-20, in Berkner Hall.

The meeting will be preceded on Monday, May 18, by four workshops on: experimental methods in XAFS, Laue diffraction in structural biology, excitation dynamics in matter studied by time-resolved and pump-probe synchrotron radiation experiments, and small-angle x-ray scattering for materials science.

For meeting and workshop schedules, and for registration information, contact Linda Feierabend, Ext. 5763, Bldg 725B.

•

Physicist Triveni Srinivasan-Rao, Instrumentation Division, will deliver the next Brookhaven Lecture. She will discuss "Laser Accelerators: Lighting the Way to the Next Generation," beginning at 4 p.m., on Wednesday, May 27, in Berkner Hall.

Atlantic City Trip

Seats remain for the next BERA-sponsored, one-day trip to Trump Plaza Hotel and Casino on the Boardwalk in Atlantic City on Saturday, May 23. The initial cost will be $20, but the hotel-casino will give a $5 coin return and a $5 deferred return voucher. Buy tickets at the BERA Sales Office in Berkner Hall weekdays from 9 a.m. to 2 p.m. For more information, call Carolann Zebrowski, Ext. 3347; Rosalie Piccione, Ext. 3160; or Kay Dellimore, Ext. 2873.

Cafeteria Menu

Luncheons

Monday, May 18	
Soup: Chicken gumbo	.80/1.10
Entree: Beef-a-roni w/1 veg.	3.20
Entree: Chef's choice	3.20
Fitness: Baked fish w/herbs & 1 veg.	3.45
Carvery: Hot pastrami sandwich	2.95
Grill: 3-cheese melt w/potato chips	2.75
Tuesday, May 19	
Soup: Navy bean	.80/1.10
Entree: Honey-dipped chicken w/1 veg.	3.45
Entree: Chef's choice	3.20
Fitness: Stuffed manicotti w/1 veg.	3.35
Carvery: Hot roast beef sandwich	2.95
Grill: Philly cheese steak sub w/fries	2.95
Wednesday, May 20	
Soup: French onion	80./1.10
Entree: Chicken Parmesan w/1 veg.	3.45
Entree: Chef's choice	3.20
Fitness: Baked fish amadine w/1 veg.	3.45
Carvery: Hot ham sandwich	2.95
Grill: 3-D burger plate	2.95
*Buy salad from the salad bar — get free medium Crystal Light drink	
Thursday, May 21	
Soup: Beef noodle	.80/1.10
Entree: Pepperoni pizza for one	3.50
Entree: Eggplant Parmesan w/1 veg.	3.20
Fitness: Chef's choice	3.20
Carvery: Hot corned beef sandwich	2.95
Grill: Hot Reuben w/fries	2.95
Friday, May 22	
Soup: Seafood bisque	.80/1.10
Entree: Catch-of-the-day w/ 1 veg.	3.45
Entree: Swedish meatballs w/noodles	3.20
Fitness: Chef's choice	3.20
Carvery: Hot turkey sandwich	2.95
Grill: Tuna melt w/potato chips	2.25
Deli: Roast beef on croissant w/chips	2.35

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

New Four-Way Intersection

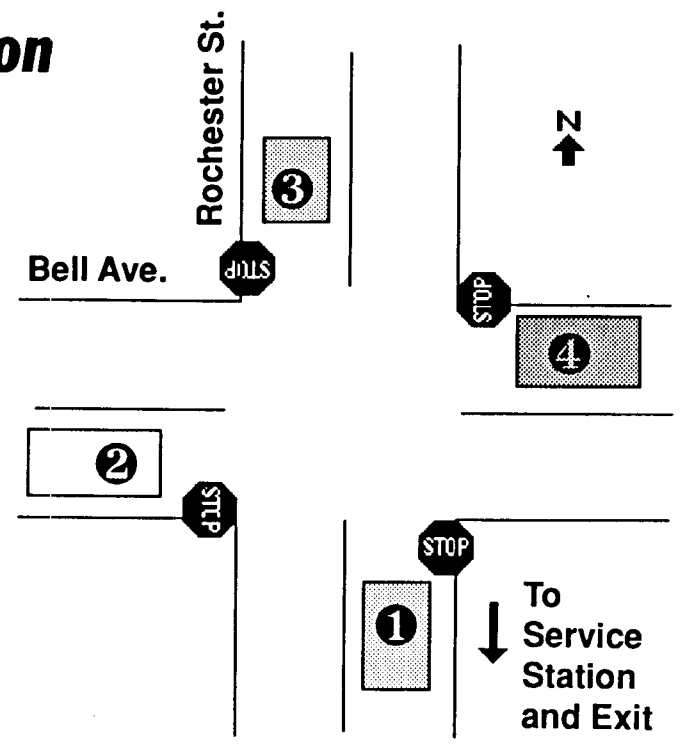
As a result of a suggestion that netted an employee $25 from the Employee Suggestion Program, four-way stop signs are being installed at the intersection of Bell Avenue and Rochester Street and should be in place as of Monday, May 18.

The new four-way stop should make it easier for drivers to exit the Lab via Rochester Street and reduce traffic hazards at this intersection.

All drivers, however, are urged to take extra caution in navigating this intersection for the first few days, until drivers approaching from all directions are accustomed to the change.

Most of us know how four-way stops work; however, for those who may not: The driver (1) to arrive first at the stop sign has the right-of-way. If two or more drivers (2 and 3) reach the stop signs at the same time and no one is turning left, the driver on the left (3) must yield the right-of-way to the driver on the right (2). A person turning left (4) must always yield the right-of-way.

For more information about four-way stops, call Pat Williams, Traffic Safety, Ext. 4265.



Tennis Fun Day

The Tennis Committee has scheduled a Tennis Fun Day on Saturday, June 13, beginning at 9 a.m., with a rain date of June 20. This event is open to all Lab employees and family members. Bring a can of balls and join the fun. To sign up, call Om Singh, Ext. 5332, or Neal Tempel, Ext. 3418.

Tennis Committee members for 1992 are: Rudy Alforque, Eena-Mai Franz, Ed Gill, Rita Kito, Ruth Ann Lutz, Ken Perkins, Steve Shapiro, Om Singh, Neal Tempel and Pete Vanier.

Arrivals & Departures

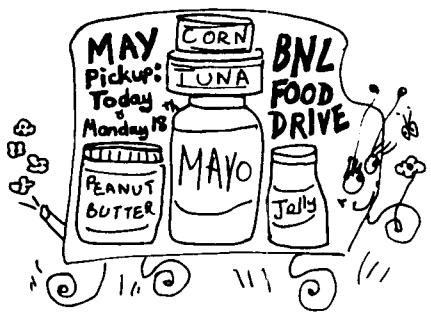
Arrivals

Gloria A. Corso.....AGS
Erika L. Lajko.....Biology
Gerardo Martinez-Guridi.....DNE
Stanislav P. Ouriassiev.....DNE

Departures

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

Gregory P. Jones.....Sfgds. & Sec.



IBEW Meeting

Local 2230, IBEW, will hold its regular monthly meeting on Monday, May 18, at 6 p.m., in the Knights of Columbus Hall, Railroad Avenue, Patchogue. On the agenda will be regular business, committee reports and the president's report.

Microcomputer Club

Irving Montanez, president of the Microcomputer Club, will demonstrate Graphic Workshop, a program for working with computer-bit-mapped graphic files, at the club's next meeting on Thursday, May 21, at noon, in the conference room of Bldg. 475. Besides excellent viewing power, the program's forte is converting between different image formats, including GEM, PCX, GIF, BMP, IFF, TGA, MSP, WPG, PIC and TIFF. Editing features such as crop, rotate and dithering are also provided.

This program is the club's new Disk of the Month and will be distributed to members at the meeting. Bondwell's new model B310SL laptop computer will also be featured.

All are welcome to attend; bring your lunch. For further details, call Irving Montanez, Ext. 2540.

Mountain Club

For the first scheduled activity for this season, the Mountain Club has reserved the group campsite at Watch Hill over Memorial weekend, May 22-26. For more information, call Nancy Kuehner, 878-6947.

Basketball

Championship Game

Runaways	74	Trailblazers	65
J. Desmond	22	T. Buck	21
W. Cummings	20	T. Mayo	13
J. Gaeta	13	D. Branch	10
P. Ratzke	6	R. Domenech	9
G. Shepherd	4	R. Garappolo	6
J. Belz	3	C. Edwards	5
M. Fulkerson	2	S. Springston	1
L. Furenlid	2		
B. Wells	2		

3-point shots: T. Buck (2), W. Cummings (2), J. Desmond, R. Domenech (2), J. Gaeta (2), R. Garappolo.

Final Tournament Standings

	Runaways	1st	
Trailblazers	2nd	Scram	4th
X-Men	3rd	Deep Six	5th

Note to Employees:

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

Bowling

Red/Green League

J. Muller had a 269, A. Warkentien 246/200/615 scratch series, H. Arnesen 229/212/610 scratch, R. Larsen 226/200, F. Hohmann 226, R. Mulderig 225/214/617 scratch, E. Sperry IV 216, R. Wells 215, R. Wiseman 214, M. Guacci 212/204, S. Thompson 202. The Portsiders are the second-half winners.

Purple League

Caryl MacDougall had a 199/182. Razors Edge is the season's winning team.

White League

Fern Simes converted the 4/7/9 split. Get Serious is the first-place winner.

Camera Club

The BNL Camera Club will present a seminar on photographic filters and how to use them effectively, on Thursday, May 28, at 5:30 p.m., in the Bldg. 134C training room.

Photographic filters are pieces of transparent material that partially absorb or alter a portion of the light passing through them. One or more filters can alter the color, nature or brightness of the light reaching the film, so photographers can capture not only what they see visually, but also what they see in their mind's eye.

This seminar will focus on the use of filters to soften harsh shadows, make people look better and create exciting images from mundane subjects. They can help you add a new dimension and excitement to your vacation pictures this summer.

Members and nonmembers are encouraged to attend. For more information, contact Lew Jacobson, Ext. 5193; Anne Baittinger, Ext. 5055; or Rippe Bowman, Ext. 4672.

Bodybuilding Club

The weighting is over! The BERA Bodybuilding Club has reorganized and wants your support. If you would like to tone or strengthen with weights, come to the weight room in the gymnasium any work day during lunch. Remember, beach season is coming up and bathing suits are coming out.

Club membership for this year is $15. The club is focusing on purchasing new equipment, so sign up and have your vote count.

For information, contact president Charles Gardner, Ext. 5211; Kara Roman, vice president, Ext. 3643; Elliott Levitt, treasurer, Ext. 2495; or David Dale, secretary, Ext. 3199.

Runner's Corner — Newsday Results

Of 26 members of the BNL Roadrunners Club who completed this year's *Newsday* Half Marathon, three were placed among the top-three finishers in their age groups. Marilyn McKeown finished first in her age group with a 2:40, Mel Cowgill second in his group with a 1:25, and Gus Prince third in his with a 1:55.

Two other Roadrunners completed the full marathon of 26.2 miles — despite the unfavorable weather. With warm temperatures and winds gusting up to 14 miles per hours as the runners headed home, many BNLers opted for the shorter 13.1-mile distance and a slower pace.

For information about the Roadrunners Club, contact Skip Medeiros, Ext. 3806, Bldg. 51M.

Full Marathon

Ed Meier	3:13
Mike Seidman	4:04

Half Marathon

Men

Don McKay	1:19
Mell Cowgill	1:25
John Browdowski	1:29
Richie Ferrieri	1:33
Rich Thorp	1:33
Dennis Nordstrom	1:34
George Meinken	1:37
Charlie Edwards	1:37
Al Pendzick	1:38
Helmut Thiel	1:47
Tom Clifford	1:48
Skip Medeiros	1:52
Steve Katz	1:54
Gus Prince	1:55
John Pagano	1:59
Kevin Wyman	1:59
Matt Harrington	2:02
Ken Braumeister	2:02
Larry Kleinman	2:16

Women

Sharon Zuhoski	1:46
Joan Congemi	2:02
Swapna Mukherji	2:13
Ann Hassig	2:24
Marilyn McKeown	2:40
Sharon Spark	2:59
Ronnie Evans	3:02

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.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

DD 8395. SECRETARIAL POSITION -Requires AAS in secretarial science and a knowledge of Laboratory policies and procedures as well as excellent communication skills. Will provide varied secretarial support to the Nuclear Safety Group of the Technical Support Organization, including preparing technical reports, correspondence, arranging travel and maintaining office files. WordPerfect experience highly desirable. Must be able to obtain and maintain a security clearance. Department of Nuclear Energy.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

NS 8768. OCEANOGRAPHY ASSOCIATE POSITION - Requires BS, MS preferred, in an appropriate field and familiarity with oceanographic data, programming in FORTRAN-77 and use of the VAX VMS system; experience with C and/or PASCAL and database-management systems useful. Experience performing statistical and time-series analysis is mandatory. Will assist in data collection and provide assistance to a wide spectrum of oceanographic disciplines. Must be willing to participate in cruises. Department of Applied Science.

DD 8075. TECHNICAL POSITION - Requires AAS or equivalent in electrical engineering and significant experience in the design and troubleshooting of electronic instrumentation. Working knowledge of electronic test equipment, modern digital/analog circuitry, interface products, and field-programmable logic also required as is programming ability in C/Turbo Pascal languages and familiarity with software-development tools. Experience with xenon flash tubes, photodiodes, optics 68xxx-based processors, PCB design tools and CAD desired. Participation in oceanographic cruises required. Department of Applied Science.

DD 1038. TECHNICAL POSITIONS -(term appointments) Require AAS in a relevant field and a minimum two years' experience running precision thoedolites and levels. Electronic data collection skills desired as is knowledge of Mancat and T3000. Previous computer experience and excellent communication skills also required. Accelerator Development Department.

DD 1037. TECHNICAL POSITION -Requires BS in geodesy or survey engineering. Experience in accelerator alignment desired as is knowledge of automated data collection and reduction. Previous experience in Mancat, T3000, N3 levels, N1 plumets and mekometer 5000 desired. Responsibilities will include establishing control lines and locating experimental equipment at precise elevations. Accelerator Development Department.

Motor Vehicles & Supplies

91 ACURA INTEGRA LS - 3-dr., p/w, p/sunroof, 5-spd., ac, spoiler, factory alarm, 8k mi., mint cond., $14,000. Ext. 5919 or 722-3010.

89 DODGE SPIRIT - 11k mi., 4-dr., a/t, ac, p/w, p/l, p/mirrors, cruise, am/fm cass., cloth int., mint cond., $7,200. Jeff, Ext. 5323/3843.

88 FORD RANGER 4x4 - 29k mi., a/t, p/s, p/b, V-6 eng., w/plow hookup, controls & lights, good cond., $5,800 neg. Richie, 475-9027.

88 TERCEL - 2-dr. h/b, 5-spd., am/fm tape, 25k mi., excel. cond., asking $4,250. Joel, Ext. 5038 or 751-3408 eves.

88 TORONADO TROFEO - white, red leather, loaded, full service contract, 46k mi., $8,500. Tom, Ext. 7984 or 588-5753 eves.

88 YAMAHA TW200 ENDVRO - street motorcycle, bought new '89, 1.3k mi., excel. cond., $1,100. Rob, 924-6724.

87 NISSAN MAXIMA - all power, sunroof, cruise, am/fm cass., asking $7,500. Jim, 758-0393 after 6 p.m.

87 YAMAHA YZ125 DIRT BIKE - new tire, sprockets, chain, excel. cond. Danny, Ext. 4987 or 758-3215.

87 HONDA ACCORD - h/b, ac, p/b, p/s, white, sunroof, tinted windows, mint cond., asking $6,200 neg. Heather, 286-0563.

86 TOYOTA CAMRY LE - 4-dr., ac, a/t, p/s, p/b, am/fm cass., 70k mi., new battery, must sell, $4,900. Joann, 472-6742.

86 MERCURY TOPAZ - 4-dr., p/s, p/b, ac, am/fm cass., 68k mi., excel. Mardor, Ext. 4830/3111.

86 THUNDERBIRD - orig. owner, 55k mi., v.g. cond., $3,200. 472-3332.

86 CHEVY NOVA - h/b, p/s, p/b, a/t, ac, $1,600; '81 Pontiac T1000, a/t, new brakes, exhaust, reliable, $500. Skalyo, Ext. 2509.

85 OLDS CUSTOM CRUISER - s/w, cass., roof rack, 84k mi., no ac, good cond, $2,800 neg. Pat, 727-0547.

85 FORD ESCORT - 4-dr. h/b, white, a/t, 80k mi., new parts, $1,300 or best offer. Vishwas, Ext. 3087.

85 S-10 BLAZER - Tahoe pkg., midnight black, rebuilt eng. & trans., new tires, shocks & brakes, excel. cond., $5,400. Andy, Ext. 2765 or 722-3368.

85 OLDS CUSTOM CRUISER - s/w, V-8, one owner, 60k mi., $3,800. 289-0012.

85 GRAND MARQUIS - all bells & whistles, 60k mi., garaged, one owner, excel. cond., $5,000. Alyce, Ext. 5203 or 447-5377.

84 T-BIRD - 2-dr., brown, runs well, body in bad cond., $150. David, 399-3381 or 395-1183.

83 TOYOTA SUPRA - 71k mi., 6-cyl., blue, a/t, full power, cruise, tilt, more, asking $2,800. Mary Ellen, Ext. 2979.

83 EL CAMINO - street/strip, custom body, centerlines, 9" rear, new high-perform. motor, extras, make reas. offer. Al, Ext. 2350 or 736-7306.

83 CADILLAC SEVILLE - red, full power, conv. look top, excel. cond., $2,200. Mike, Ext. 2050 or 399-7907 after 6 p.m.

82 YAMAHA 400HS - 6k mi., access., $650 neg. Rob, 878-2702 after 6:30 p.m.

82 CAVALIER - 4-dr., silver w/red int., bucket seats, good cond., needs eng., best offer. Bruce, 363-5956.

81 MONTE CARLO - V-8, T-top, cruise, tilt, ac, high mi., mag wheels, 4 new tires, am/fm cass., asking $2,150. Gregg, Ext. 4446 or 874-8631.

80 HONDA CIVIC GL - 1500cc, high mi., runs, basic transportation, $250. Lloyd, Ext. 3163.

80 HONDA CM200T MOTORCYCLE - low mi., helmet incl., excel. cond., $300. 744-6423.

79 VW RABBIT - yellow, 112k mi., rebuilt eng., gas a/t, runs well, needs elec. work, $450 or best offer. Stan, 698-9523.

78 FORD FAIRMONT - 6-cyl., m/t, orig. owner, 127k mi., $500. Arup, 744-6962.

76 CHEVY NOVA - rusty but runs OK, asking $200. Ellie, Ext. 7328.

76 CHEVETTE - body & engine in good cond., $200. 929-4182.

74 ME-BE 280 - full power, good cond., $3,600. Sorin, Ext. 2765.

71 HONDA 750 - fair cond., runs well, $250. Siggy, Ext. 4360 or 331-5416.

69 HONDA MOTORCYCLE - 90cc, w/helmet, $200. Mike, Ext. 2052.

31 CHRYSLER - 2-dr., rumble seat, all orig., excel. cond., asking $8,000. Rosalie, Ext. 3160 or 289-5704 after 5 p.m.

BIG BLOCK - Chevy 454, disassembled, new oversized cam, rings, bearings, gaskets, block cleaned & honed, $900. Edward, 661-9155.

TIRES - 6, four on Ford rims, P235 75 R15, for Ford truck, good cond., $100. Brian, 878-4356.

TIRES - 4 Armstrong Norseman Tredlog 32x11.5 R15LT, mounted on 5-lug white wagon-wheel rims, good cond., $125. Richie, Ext. 2372.

RIMS - 2 Centerlines, 8" for Ford pickup, 4 Laredo 31x10.50 FE heads, flywheels, '69 Mustang seat. Wayne, Ext. 3034.

CHEVY ENGINE - 283 cu. in., V-8 w/350 heads, $100. Bob, 467-4222.

PARTS - for Ford Fiesta. Brownie, Ext. 4028.

91 SUZUKI RM250 DIRT BIKE - worked motor & suspension, many extras, excel. cond., maint. by expert, ask. $2,500. Bob, Ext. 4672 or 929-4753.

91 HYUNDAI EXCEL GS - special edition, black, 3-dr. h/b, 5-spd., ac, am/fm cass., 18k mi., $5,900. George, Ext. 4769.

88 FORD CLUB WAGON XL VAN - 39k mi., new radial tires, battery, brakes, good cond., $7,000, flexible. Victor, Ext. 2395.

88 KX250 DIRT BIKE - looks great & runs well, must sell, $1,000. Ken, 473-7460.

88 MUSTANG CONVERTIBLE - red w/black top, 44k mi., a/t, ac, p/w, cruise, new tires, stereo, tape deck, 4-cyl, $7,500 neg. Marie, Ext. 4933.

87 GRAND MARQUIS - 4-dr. luxury sedan, all leather int., loaded, orig. owner, excel. Ext. 2146.

87 TOYOTA MR2 - black, 64k mi. 5-spd., spoiler pkg., alum. wheels, sunroof, $5,850. 878-5886.

87 TOYOTA CAMRY - sedan, all power, 73k mi., ac, new front brakes, tires, exhaust, v.g. cond., $6,600. 288-8206.

87 HI-POINT TRAILER - 21', fully encl. fiberglass, rear ramp, brakes, h/w heater, sink, bunks, asking $3,500. Lois, Ext. 4904 or 929-4753 eves.

86 NINJA 250 MOTORCYCLE - Cindy Salwen, 874-3652.

86 CHEVY CAMARO - blue, V-6, a/t, ac, p/s, new tires, immac. in & out, asking $3,950. Melanie, Ext. 5141.

86 PONTIAC BONNEVILLE - V-6, full power, cruise, ac, am/fm cass., excel. cond., $2,900. Jack, Ext. 7942.

85 HONDA INTERCEPTOR MOTORCYCLE - red, white, asking $1,900 neg. John Turner, 289-8640 after 4 p.m. or 924-2075 after 3:45 p.m.

85 BRAT SUBARU 4x4 - ac, 54k mi., new tires, brakes, exhaust, am/fm cass., eq., CB, T-top, 4-spd., excel. cond., $3,750. 385-8075.

85 JEEP CHEROKEE CHIEF - 4wd, '86 eng., new tires, battery, muffler, rebuilt carb., a/t, ac, high mileage, $3,900. Ext. 5919 or 722-3010.

85 SUBARU XT - 5-spd., trans., ac, am/fm cass., light blue, $2,700. 757-1973.

85 PONTIAC GRAND AM - 2-dr., gray, high mi., all highway, a/t, ac, p/s, orig. owner, good cond., $2,300. Gray, Ext. 3473.

84 PROWLER TRAILER - 24', w/stove/oven, refrig./freezer, bunk beds, full bath, awning, excel. cond., $6,000. 589-5975.

84 CHEVROLET CELEBRITY - a/t, p/s, p/b, ac, am/fm cass., runs well, good cond. Mike, 467-8393.

84 CADDY COUPE - silver, blue conv.-look top, sunroof, low mi., excel. cond. Mike, 399-7907.

The Brookhaven Bulletin is printed on paper containing at least 50 percent recycled materials, with 10 percent post-consumer waste.

83 CHRYSLER LE BARON - 4-dr., clean, $1,300 or best offer. Bart, Ext. 4446 or 924-6761.

83 HONDA CUSTOM 1000 - black, 10-spd., H/L range, 11k mi., new batt. & tire, excel. cond., made only 1 yr., $2,300. 289-9533 after 6 p.m.

83 YZ125 DIRT BIKES - two, one v.g. cond., $450, one mint cond., $950. 878-1617 after 5:30 p.m.

83 PLYMOUTH RELIANT - 2-dr. sedan, new timing chain, camshaft, tires, struts, front brakes, asking $1,100. 744-9027.

83 NISSAN SENTRA XE COUPE - 2-dr. h/b, 5-spd., ac, Michelin XA4 tires, am/fm stereo cass., recent timing belt, 115k mi., more, $1,400. Ext. 2296.

82 YAMAHA XS650J MOTORCYCLE - Heritage Special, 13k mi., excel. cond., $1,250. Leon, Ext. 2971 or 821-4401 eves.

81 TOYOTA CELICA - 5-spd., ac, am/fm cass, sunroof, runs well, $500/best offer. Bill, Ext. 5510.

80 FORD MUSTANG - white, 6-cyl., 3.3 eng., am/fm cass., p/s, p/b, good cond., $900 neg. Paul, Ext. 3308.

80 FORD MUSTANG - 4-cyl., a/t, no rust, 83k mi., $600 neg. Rich, Ext. 3354.

78 CHEVY TRUCK - flat-bed w/sides, rebuilt engine, trans., twin rear tires, snowplow, excel. running cond., $1,500. Dave, Ext. 3199.

77 WILDERNESS TRAILER - 20', ac, awning, extras, excel. cond., must see. Don, Ext. 5329.

77 CHEVY NOVA - 4-dr., new brakes, runs well, reliable, asking $325. Keith, 924-5062.

75 MG MIDGET - 54k mi., new exhaust, excel. mech. cond., v.g. body/int., new car cover, $1,900. 385-8075.

75 PROWLER CAMPER - 21', self-cont., 2 axles, v.g. cond, $2,000. Dan, Ext. 4987 or 698-7322.

65 FORD PICKUP - chrome wheels, 3-spd. trans., 6-cyl., good cond., runs well, asking $1,000. Steve Gill, Ext. 4627 or 928-6469.

Boats & Marine Supplies

30' CHRIS CRAFT - FB, twin 350s, FWC, VHF, Loran, etc., $3,000; 28' Carver FB, FWC Twin 302s, VHF, more, $12,000. Harry, Ext. 7749 or 744-2715.

22'10" SLICK CRAFT 235 - 1979, cuddy cabin, canvas mooring cover, VHF, 228-h.p. i/o, great family boat, $5,500. Joe, 878-9331.

19' BAYLINER - 1987, cuddy cabin 125-h.p. ob., trailer, $5,000. 821-1042.

18' STARCRAFT - full canvas, running lights, bilge pump, many extras, best offer. 563-6680.

18' GLASTRON BOWRIDER - 75-h.p. Evinrude, EZ-loader trailer, full canvas, excel. cond., $2,300. 369-0432.

14' CAT SAILBOAT - furling jib, excel. cond. Ext. 4662.

13' DURANAUTIC BOAT - alum., 15-h.p. Johnson, like new cond., $790. 878-1617 after 5:30 p.m.

MOORING - 220-lb. mushroom anchor w/45' chain, in-line swivels, s/s buoy w/thru rod, top & bottom swivels, $250. Artie, 924-3553.

OUTBOARD MOTOR - 40-h.p. Johnson, electric start, long-shaft w/controls, $150. Bart, Ext. 4446 or 924-6761.

OUTBOARD MOTOR - 1985, 175-h.p. Mercury, needs cylinder head, good for parts, best offer. Lou, Ext. 3463/5802 or 269-5787.

OUTBOARD MOTOR - Johnson, 4-h.p., seldom used, excel. cond., $300. 744-6423.

TIGA 270 WINDSURFER - 1-yr.-old, mint cond., $450. Joe, Ext. 4139.

Furnishings & Appliances

DAYBED - double, single, dark green, best offer. 744-7172.

DAYBED - white over solid brass, twin-size bed complete w/spring support and brass finials, like new, $150. Marcia, Ext. 7796.

DINING ROOM - country oak, 48" round pedestal table w/leaf, 6 carved back chairs, hutch w/etched glass, 3 yrs. old, $1,800. Bonnie, Ext. 2875.

TABLE - leather-top, Duncan Phyffe, $75; oak rocker, $165; lg. bookcase w/glass doors, $175; steamer trunk, $40. Janet, Ext. 2345 or 929-8443.

WATER BED - king size, dual flotation mattress, waveless, heaters, pedestal, $200. Mike, Ext. 2052.

Tools, House & Garden

AIR COMPRESSOR - Black Max, 3 h.p., like new, $250 or best offer. 744-3502.

COAL STOVE - 60k Btu output, black & silver Wellington airtight, maintained, kept like new, save hundreds on fuel bills. Marcia, Ext. 7796.

HERB PLANTS - avail. for planting mid-May, from 90¢, many varieties. 473-1658 after 6 p.m.

LAWN MOWER - Sears, 20" cut, 3½ h.p., tear bag, $60; Craftsman lawnmower, 20" cut, rear bagger, $60. Dan, Ext. 4987 or 698-7322.

MACRAME HANGERS - $13, incl. 8" or 10" pot, many styles, colors & lengths. Laurel, Ext. 4095.

POOL PUMP - Haywood Turbo Flow, Marathon 200 DE Perflex extended-cycle filter, like new, used one season. Fred, 744-1958.

RHUBARB ROOTS - $3 clump; lily of valley plants, $4 flat; chives, $1 clump; 1930s painted bureau w/mirror, $40. 878-6637.

SHOWER BASE - fiberglass, 39" corner, white, new, never installed, was $200, will sell for $100. Sue, Ext. 3492.

SWING SET - 2 swings, glider, rocker, slide, you disassemble, $50. Ext. 2417.

Sports, Hobbies & Pets

BICYCLE - woman's Ross, 3-spd., basket, excel. cond., $40. Sue, Ext. 3492 or 289-6844.

BIKES - computer table, rowing machine, tools & more. 395-3529.

CAMERA - Nikkorex, 43-86mm, zoom, split image rangefinder, built-in exposure meter, F3.5 to 22, 1/500 second, more, $150. Saxon, 929-4701.

CHILD'S CAMERA - 35mm from Vivitar (never used), $15; computer zoom, automatic electronic flash for 35mm camera, $15. Angela, Ext. 7321.

DOGS - Rottweilers, AKC champion line, serious buyers only. Chris, 654-1146.

EXERCISER - Sears DP-300 body toner, $100; DP20 body builder, $200; 2 air conditioners, 8,000 Btu, $175/ea., $300/both. Irving, Ext. 2827.

FISH TANK - 20 gallon, stand, gravel, decorations, air pump, box filters, oversized, full hood, $45. Roy, Ext. 7357.

GOLF CLUBS - 1-9 iron, $25; hand golf cart, $5. Roger, Ext. 7518 or 878-8847.

GOLF CLUBS - complete set of Ping Eye 2 irons, the #1 iron through the SW, will only sell as a complete set, best offer. Ernie, Ext. 2677.

BASS GUITAR - Memphis and amp, $250 neg. Evelyn, Ext. 3537.

LABRADOR RETRIEVER PUPPIES - AKC registered, championship bloodline, blacks & yellows, sire & dam on premises. 929-4993.

METAL DETECTOR - Garrett American S-3 VLF & discrimination modes, $100 or best offer. Dave, Ext. 4084.

PUPS - Rottweiler, male, 8 weeks old., 878-8408.

Audio, Computer & Computers

COMPUTER - Sharp MZ-100, laptop, 10 MHz, 640k memory, expandable, backlit screen, 600x400, 2 720k floppies, $350. Len, Ext. 5010.

COMPUTER - TRS-80, color, w/games, $25; Juki daisy-wheel printer, $100. Brunschwig, 286-2114.

COMPUTER - IBM compatible, 14" color monitor, 360k, 5,25" & 40m hard drive, new Panasonic dot matrix printer, $1,800. Angela, Ext. 7321.

COMPUTER - IBS XT Turbo, perfect cond., 42 byte hard disk, 2 floppy drives, Epson LX-800 printer, much more. Vasilis, Ext. 2830 or 543-0487.

MONITOR — 12", amber, $25. Dave, Ext. 4084.

SOFTWARE - DOS version 3.0, $15. Susan, Ext. 7647.

SOFTWARE - Clipper 5.01 compilable database creation program, $275. Mark, Ext. 7978.

SPEAKERS - Polk Audio 2.3 TL, $1,200. Marie, Ext. 2950 or 399-3401.

STEREO - Yorx AM/FM stereo, double cassette recorder/player w/2 speakers and remote control, hardly used. $90. Angela, Ext. 7321.

TAPE RECORDER - reel-to-reel mono, old, $20. Roger, Ext. 7518 or 878-8847.

TV - b&w, good cond., ask. $25. Frank, Ext. 3120.

Miscellaneous

BABY'S COACH - and Evenflow 7 car seat, $50 ea. Sy, Ext. 4992.

CRIB - w/mattress, Bassett, like new, orig. $250 ask. $135; changing table, $23; walker, $17; baby's clothing NB-3T. Mary, 924-6235.

GOWNS - worn once, white 11/12 satin lace, $40; pink 15/16 satin lace, $80; purple, 7/8 satin $25; more. Ernie, Ext. 7632 or Heidi, 281-7873.

JEWELRY - women's circle pins, gold plated, new, $5 ea. Susan, Ext. 7647.

PINBALL MACHINES - 2 ea., need work, $100 ea.; 3 arcade games, coin-operated, need work, $100 ea. Harry, Ext. 7749.

PROM DRESS - black & white check organza, strapless, 11-12, $40. Gail, Ext. 3338.

PROM DRESSES - excel. cond., worn once, one never worn, tags still on, $50. ea. Dina, 399-5715.

TYPEWRITER - IBM, old, elec.; fireplace log holder, $20; card table set, $20; 6-chair kitchen set, solid maple, $75; more. Ext. 2345 or 929-8443.

WEDDING GOWN - silk organza, new, size 10, cost $600, sell for $200. 878-1617 aftet 6 p.m.

Free

BARBEQUE - gas grill, mounts on post for perm. installation, you pick up. Sue, Ext. 3492.

SAND - for sandbox, concrete, pool liner. Ext. 4247.

Yard & Garage Sales

BELLPORT - 5/23, 9-4 p.m., partial contents of house, furn., Tiffany shades, dishes, books, records, more, Browns Lane.

ROCKY POINT - 5/15-16 (rain dates, 5/16-17), children's toys, crafts, misc., 85 Mahogany Rd.

Car Pools

BLUE POINT-PATCHOGUE - want to join/form car pool. Ellie, Ext. 7328.

Wanted

BABY-SITTER - for 17-month baby, your house or mine, Shoreham area, flexible schedule. Ofra, 821-6856.

CANOE - 15-17' alum. or fiberglass. John, Ext. 7671 or 765-1299.

DESK - looking for an old rolltop. Chuck, 289-5933 after 6 p.m.

EXPERIENCED TEACHER - for Upton Nursery School, part time, starting Fall 1992. Cindy Salwen, 874-3652.

HOUSEKEEPER - daily or live-in. Ext. 1000.

HOUSE TO SIT - for visiting college student working at DNE 6/1-8/31. Dan, Ext. 4050.

LAWN MOWERS/LAWN TRACTORS - old, complete. Dan, Ext. 4987 or 698-7322.

LISTENERS - Accused of not listening? Visit a Toastmasters meeting and practice your listening skills. Ronnie, Ext. 2851, or Darryl, Ext. 7892.

MATTRESS OR BED - for two, any condition. Nakano, Ext. 1051, any time.

HONDA MOTORCYCLE - 6 cyl., CBX running or not; 1981 Camaro nose in good cond., bumper is rubber. Chuck, 289-5933 after 6 p.m.

SUMMER ITEMS - for toddlers, pool, sandbox, sand toys, good cond. only please, top price. Karen, Ext. 3181.

TEENAGER - to cut lawn for sr. citizen, weekly, reliable, reasonable, E. Patchogue area; potter's wheel, elect. or kick. Toni, Ext. 5257.

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