BROOKHAVEN BULLETIN

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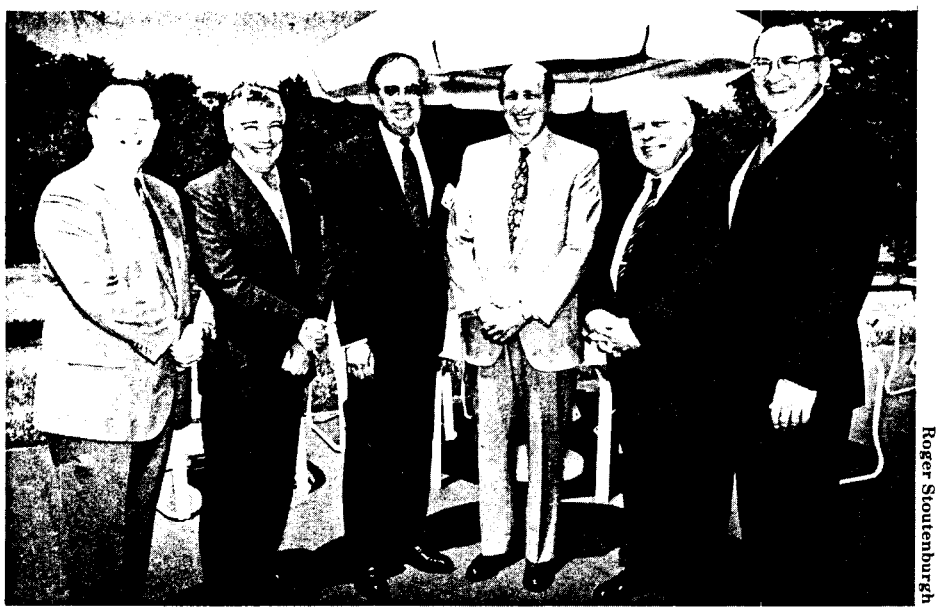
BROOKHAVEN NATIONAL LABORATORY



Roger Stoutenburgh

Participants at the AMTEX meeting included: (from left) Thomas Malone, Milliken and Company; Alan Claflin, DOE's Office of Energy Research; Richard Quisenberry, Du Pont; Seymour Baron, BNL's Associate Director for Applied Programs; Warren Chernok, DOE Defense Programs; and Gerald Work, Pacific Northwest Laboratory.

BNL to Help Textile Industry

A low-tech industry that accounts for about 10 percent of the manufacturing jobs in America, the U.S. textile industry has been suffering a steady loss of jobs to foreign competition.

When representatives of the textile industry approached the U.S. Department of Energy for help, it was thought that the industry would be an ideal candidate for a partnership with government. And that is how and why the American textile partnership, AMTEX, was created.

AMTEX is a unique collaboration involving the Department of Energy (DOE), DOE's national laboratories and the American textile industry. The AMTEX partnership is a new DOE effort to use capabilities resident at the various DOE laboratories to solve U.S. industry's technical problems and improve its competitiveness in a global market.

On May 25 and 26, BNL hosted a meeting of the AMTEX Operating Committee, which selected one of nine projects for DOE funding. That project will involve BNL's Computing and Communications Division.

BWIS-Biology Department Seminar

A New DNA-Binding Motif

When is a box not box-shaped? When the structure of what is called the HMG box was found to be L-shaped.

The distinctive shape of the HMG box and its discovery using two-dimensional nuclear magnetic resonance imaging will be discussed by its primary elucidator: Jean Thomas, Professor of macromolecular biochemistry at the University of Cambridge, England, and Fellow of the Royal Society. Sponsored by Brookhaven Women in Science (BWIS) and the Biology Department, Thomas's talk, entitled "Structure and Properties of the HMG Box: A New DNA-Binding Motif," will take place on Thursday, June 10, at 3:45 p.m., in the Seminar Room of Bldg. 463. All are invited.

As Thomas will explain, HMG is short for high mobility group, an abundant set of proteins that has been found to be similar from species to species. Implicated in the replication and transcription of chromosomes, the role of these proteins remains elusive. While found bound to chromosomes, HMG proteins do not seem to bind to specific chromosomal sites.

Each HMG binding domain is known as an HMG box. For instance, one such protein, called HMG1, has two domains that bind to DNA. In unfolding the mystery of the approximately 80 amino acid residues within an HMG box of the HMG1 protein, Thomas uncovered not only its structure, but also biochemical reasons as to how and why it binds to DNA by bending one strand or bridging two.

Jean Thomas received her Ph.D. in organic chemistry from the University of Wales in 1967. This was followed by a Beit Memorial Fellowship for Medical Research at the MRC Laboratory for Molecular Biology, 1967-69. After obtaining her M.A. from Cambridge, 1969, she taught at the university, moving up the ranks to her present title of Professor in 1991. Since 1969 as well, she has been associated with New Hall College at Cambridge, for which she served as Vice President, 1983-87. In 1985, the University of Cambridge awarded her a Sc.D.; in 1986, she became a fellow of the Royal Society; and, in 1992, the University of Wales granted her an honorary D.Sc.

Refreshments will precede the lecture, and a dinner off site will follow it. To make reservations to join the lecturer for dinner, beginning at 6 p.m. at the Port Jefferson Country Club, contact Louise Hanson, Ext. 7709.

Information Superhighway Coming

Supercomputers strung together and connected to smaller computers via fiber optic cable is the scenario envisioned for not only a national information superhighway as proposed by the Clinton administration, but also for regional networks.

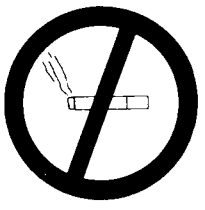
In a pilot project for a regional network, BNL has joined the State University of New York at Stony Brook, Cablevision and Grumman Data Systems to establish a high-speed network connection among themselves.

Called the asynchronous transmission mode (ATM) collaboration, the four institutions are exploring possible uses of the network. So far, possible applications include transferring medical images from one facility to another, holding video conferences using desktop computers, and setting up and controlling experiments from remote locations. More suggested uses are encouraged and welcome.

To find out more about the project and make suggestions, potential on-site users are invited to an ATM collaboration meeting on Wednesday, June 9, at 10 a.m. in the Seminar Room of the Physics Department, Bldg. 510. For more information, contact Mark Wiesenberg, Head of BNL's Computing & Communications Division, Ext. 3237.

Smoking Ban Starts Next Monday

Effective Monday, June 14, smoking will be prohibited in all Laboratory buildings and vehicles, as per a policy announced earlier by Laboratory Director Nicholas Samios.



While smoking will be allowed in the residential units and in the smoking section of the Brookhaven Center Club, there are no other exceptions.

BNL's no-smoking policy was developed in light of recent EPA findings on second-hand smoke and as part of the Lab's commitment to promote healthier life-styles among employees. In banning smoking from virtually every buildings on site, the Lab is enacting a policy similar to those now in force at the White House, the headquarters of the U.S. Department of Energy and several of its other national laboratories.

Employees and their dependents who are interested in kicking the habit may sign up for the next free quit-smoking program on Monday, June 7 (see box), or, for information on upcoming sessions, may contact Mary Wood, Ext. 5923.

Coming Up

Gregory Van Tuyle, Deputy Head of the Division of Advanced Technologies in the Department of Nuclear Energy, will deliver the next Brookhaven Lecture. On Wednesday, June 16, his talk, entitled "Making Tritium Using Accelerators," will begin at 4 p.m. in Berkner Hall. All are invited.

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Nobel laureate James D. Watson, Director of Cold Spring Harbor Laboratory and codiscoverer of the molecular structure of DNA, will deliver the 22nd Pegram Lecture Series entitled "Beyond the Double Helix."

The two lectures, which will be held in Berkner Hall, will commemorate the fortieth anniversary of the momentous discovery for which Watson, along with Francis Crick and Maurice Wilkins, won the 1962 Nobel Prize in Physiology or Medicine. Watson will draw on his unique experience to discuss two diverse issues as follows:

- **Thursday, June 17, at 8 p.m., "The Search for the Genetic Code" — Watson will highlight the creative contributions to biology made by the late physicist George Gamow as specified in his letters to Watson.**
- **Friday, June 18, at 4 p.m., "The Human Genome Project" — Watson, who directed the National Institutes of Health component of the Human Genome Project from 1988-92, will give his insights into its ethical implications.**

Quit Smoking In One Session

Combine the power of hypnosis with standard behavior-modification techniques — and you can quit smoking after just one session of the Green Seminar.

On Monday, June 7, from 4:30 to 6:30 p.m. in Berkner Hall, the Green Seminar will be offered free of charge to all employees and their dependents who wish to kick the habit and not gain weight as a result. It will be presented by Stuart Green, who is founder and president of GSI, a New York based company specializing in corporate wellness programs since 1981.

To sign up, return the bottom portion of the Green Seminar flyer recently sent to all employees to Health Promotion Specialist Mary Wood, Bldg. 490. For more information, contact Wood, Ext. 5923.

Arrivals & Departures

Arrivals

Karl C. Garrison.....Physics
Yi-Ping Liu.....Chemistry
Woodrow J. Most.....Plant Eng.
Mark A. Quesada.....Biology

Departures

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

Paul M. Coleman.....Plant Eng.
Steve M. Heald.....App. Science
Frank J. McNulty.....Instrum.
William Sanchez.....Cent. Shops

Money Management Plan at TFCU

Teachers Federal Credit Union (TFCU) announces the availability of PLAN AMERICA, a financial management program that helps in organizing financial affairs and planning for the future.

The PLAN AMERICA center is located at TFCU's main office in Farmingville, but a representative will be at the on-site Upton Branch, on Tuesday and Wednesday, June 15 & 16. To set up an appointment, call Cathy Mahan, Ext. 2790.

PLAN AMERICA is a service of CUNA Brokerage Services, Inc., 5910 Mineral Point Road, Madison, WI 53705, a member of NASD, SIPC.

PLAN AMERICA representatives are also licensed insurance representatives of the CUNA Mutual Insurance Group.

Let's Dance

If you want to relive the 70s, then hustle over to the Brookhaven Center on Wednesday, June 9, to sign up for the BNL Dance Club's next series of beginners' lessons — hustle and rhumba.

This series will be offered Wednesdays, from 5:15 to 6:30 p.m., usually in the North Ballroom of the Brookhaven Center. The cost for the eight lessons is $15 per person, payable in a check to the club. Partners are not required.

For more information, call Marsha Belford, club president, Ext. 5053; or Nedy Santiago, vice president, Ext. 3402.

BWIS Meeting: Survey Results

In April, Brookhaven Women in Science (BWIS) sent a survey to all women employees, asking for their viewpoints on the organization.

With the 167 responses now tallied, the BWIS Board invites all men and women to a discussion of survey results. Since one of the responses indicated that many people cannot attend luncheon meetings, the board has scheduled two discussions, for: Tuesday, June 8, at noon, at the Brookhaven Center; and Tuesday, June 15, at 5:15 p.m., in Room B, Berkner Hall.

All are invited to attend either or both meetings, where coffee and tea will be served. Please bring your lunch to the noon meeting.

Upton Nursery Yard Sale

This Saturday, June 5, children's toys, clothing and other things will be sold at a yard sale to benefit the Upton Nursery School, an on-site parent cooperative. To be held from 10 a.m. to 6 p.m., the Upton Nursery School's yard sale will take place at 23 Beachfern Road, Center Moriches.

For more information about the sale or the school, call Anna Martin, 878-6760, or Cindy Salwen, 874-3652.

Film badges will be changed tomorrow. Please place your badge in its assigned rack space before leaving work today.

BROOKHAVEN BULLETIN

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BROOKHAVEN NATIONAL LABORATORY

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There's Blood in Them Thar Quotes!

As evidenced by the following quotes, many wise and literate people in the past have thought deeply about blood. But, we want you to think deeply about blood in the future — *your* donated blood, being given to someone else who is in serious medical need.

So, don't just read these "bloody" quotes — after thinking deeply yourself and clearing it with your conscience, sign up as soon as possible for the next BNL Blood Drive. It will be held Wednesday through Friday, June 16-18, from 10 a.m. to 3 p.m. in the Brookhaven Center.

Two pledge cards have been sent to each employee so that friends and relatives may join the Lab's campaign. For more information, contact Susan Foster, BNL Blood Drive Chair, Ext. 2888, or the Blood Drive captain for your department or division.

I have the consolation to reflect that during the period of my administration not a drop of blood of a single fellow citizen was shed by the sword of war or of the law.
— Thomas Jefferson (1743-1826)
Letter to papal nuncio Count Dugnani

A man who is good enough to shed his blood for his country is good enough to be given a square deal afterwards. More than that no man is entitled to, and less than that no man shall have.
— Theodore Roosevelt (1858-1919)
Speech at Springfield, Ilinois

A pint of sweat will save a gallon of blood.
— George Patton (1885-1945)
War As I Knew It

I have nothing to offer but blood, toil, tears and sweat.
— Sir Winston Churchill (1874-1965)
First statement as Prime Minister, House of Commons

Fe fi fo fum!
I smell the blood of an Englishman;
Be he alive or be he dead,
I'll grind his bones to make my bread.
— Anonymous

Humility must always be the portion of any man who receives acclaim earned in the blood of his followers and the sacrifices of his friends.
— Dwight Eisenhower (1890-1969)
Address at Guildhall, London

I've known rivers:
I've known rivers ancient as the world and older than the flow of human blood in human veins.
My soul has grown deep like the rivers.
— Langston Hughes (1902-1967)
"The Negro Speaks of Rivers"

Faint heart never won fair lady!
Nothing venture, nothing win —
Blood is thick, but water's thin —
In for a penny, in for a pound —
It's Love that makes the world go round!
— Sir William Gilbert (1836-1911)
"Iolanthe"

Though I look old, yet I am strong and lusty;
For in my youth I never did apply
Hot and rebellious liquors in my blood.
— Shakespeare (1564-1616)
"As You Like It," Act II, scene iii

Who would have thought the old man to have had so much blood in him. — Shakespeare (1564-1616)
"Macbeth," Act V, scene i

O God! that bread should be so dear,
And flesh and blood so cheap!
— Thomas Hood (1799-1845)
"The Song of the Shirt"

The voice of thy brother's blood crieth unto me from the ground.
— *The Bible, Genesis,* 4:10

Softball

Standings as of 5/28

League 1		League 3	
Up & Atom	3-0	Lunatechs	2-0
Ravens	2-1	Medical	2-1
Phoubars	2-1	Surefire	2-1
Blue Jays	1-2	Quantum	1-1
Magnuts	1-2	Bombers	1-2
Six Pax	0-3	Feds	0-3
League 2		**League 4**	
Cocoon	3-0	Personnelities	2-0
Phase Out	2-0	Sting Rays	2-0
Revised Edition	2-1	Snakebites	1-1
Dirty Sox	1-1	Park Avenue	1-1
Older Butt Wiser	1-1	Just 4 Fun	1-1
Scram	1-1	Simply Awesome	1-1
Big Sticks	0-2	Molson Express	0-2
Hytec	0-2	Roustabouts	0-2
Lights Out	0-2		
Titans	0-2		

Standings as of 5/21

League 5			
Worst to First	3-0	Wellheads	1-2
Goodtimers	2-0	What's on Second	0-1
Lead Bottoms	1-0	Source	0-2
Varmints	2-1	Skeleton Crew	0-3

Cafeteria Menu

Monday, June 7

Soup: Split pea		.80/1.10
Entree: Honey-dipped chicken		3.35
Fitness Fare: Pasta primavera		3.35
Carvery: Pastrami sandwich		2.95
Burger: Californian burger		2.95
Grill: Reuben		2.95
Taster's Bar: Chicken tenders	(oz.)	.25

Tuesday, June 8

Soup: Beef & mushroom barley		.80/1.10
Entree: Italian sausage hero		3.25
Fitness Fare: Pita pizza		2.35
Carvery: Hot roast beef sandwich		2.95
Burger: Chili burger		2.50
Grill: Chicken teriyaki w/rice		3.35
Taster's Bar: Baked stuffed clams	(oz.)	.25

Wednesday, June 9

Soup: Cream of broccoli		.80/1.10
Entree: Yankee pot roast w/veg.		3.35
Fitness Fare: Baked lemon chicken		3.45
Carvery: Baked Virginia ham sandwich		2.95
Burger: Mini burger special		2.25
Grill: Monte Christo		2.95
Taster's Bar: Wing dings	(oz.)	.25

Thursday, June 10

Soup: New Orleans chicken gumbo		.80/1.10
Entree: Breaded veal Parmesan w/veg.		3.35
Fitnesss Fare: Middle-Eastern taco		3.25
Carvery: Corned beef sandwich		2.95
Burger: Bacon cheeseburger platter		2.95
Grill: Philly cheese steak		2.95
Taster's Bar: Mild Buffalo wings	(oz.)	.25

Friday, June 11

Soup: Manhattan clam chowder		.80/1.10
Entree: Catch of the day w/veg.		3.50
Fitness Fare: Display cooking of entree		
Carvery: Hot roast turkey sandwich		2.95
Burger: Vegetable burger w/salad		2.95
Grill: Tuna melt		2.95
Taster's Bar: Seafood nuggets	(oz.)	.25

Movie Night . . . Brookhaven Center
Wednesday, June 9 . . . 8 p.m.
Of Mice And Men . . .free popcorn!

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.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

MK 2601. COMPUTER ANALYST POSITION - (part-time, term appointment) Requires a Ph.D. in computer science, mathematics or another relevant discipline, and an understanding of UNIX mail system, C shell scripts, FORTRAN and C codes, and data acquisition hardware. Will be responsible for troubleshooting, upgrading and maintaining local area networks involving Sun workstations, and Macintosh and IBM PCs. Additional duties include troubleshooting, design changes and implementation for existing real-time data-acquisition and display systems. Department of Applied Science.

NS 2716. ENGINEERING POSITION - Requires a bachelor's degree in an engineering discipline or equivalent, and broad experience implementing energy-management programs. An in-depth knowledge of energy systems, energy-management controls and metering instrumentation also required. A master's degree and professional engineering license desirable. Will be involved in energy audits and surveys, energy-conservation measures, energy-conservation measure feasibility, and project formulation and implementation. Plant Engineering Division.

Free

CAT - abandoned mother, 1 yr. old, white w/gray long hair, very affectionate, kittens already taken. Ext. 4260 or 472-8215 eves.

CLOTHES WASHER - G.E., runs but makes funny noises. 447-5965.

FENCE - 4' high by 50' chain link w/poles and top pipe, you pick up. Joe, 924-7476.

Yard & Garage Sales

BELLPORT - multifamily, 6/5-6, 9-3 p.m., 16 2nd Street, between New Jersey & Brewster.

CENTER MORICHES - 23 Beachfern Rd., 6/5, 10-4 p.m., benefit for Upton Nursery School, many children's items. Cindy, 874-3652.

PORT JEFFERSON STATION - video tapes, tools, misc., 10-4 p.m., 6/12-13, 26 Hurtin St. 331-7385.

S. SETAUKET - something for everyone, 9 Hart Lane, 6/5-6.

Miscellaneous

CRIB - Williamsburg, changing table, all oak wood. Tom, Ext. 7287 or 744-4535.

TICKETS - four seats, Mets vs. Philadelphia, Sunday 6/13, $12/ea. Ed, Ext. 5558.

Services

Services are listed in the first ***Bulletin*** *of every month as a courtesy to BNL employees. They are neither screened nor recommended by the* ***Bulletin****. Services forms are available in the* ***Bulletin*** *lobby, Bldg. 134.*

AUTO REPAIR - basic auto repair, reasonable, free est. Rob, 395-4521.

AUTOMATIC LAWN SPRINKLERS - free est., prof. layouts, repairs, alterations & addtions, prompt, courteous service. Lou, 928-7042.

BABY-SITTING - 16-yr.-old girl wants summer position, Ridge/Middle Island, experienced, mature & reliable, refs. avail. Kristina, 924-3756.

BRICKWORK - masonry, patios, walks, swimming pools, retaining walls, landscaping ties, Belgium block, 25 yrs. exp., Lab disc. Tony, 698-9274.

BUNNY-SITTER - 3½ yrs. exp. caring for a bunny, 10½-yr. old will take care of your bunny on your vacation. Kate, 929-5945.

CARPENTRY - extensions, dormers, fin. bsmts., gar., decks, roofs, windows installed, done w/excellence, free est. Dennis, 395-6055.

CARPET/UPHOLSTERY CLEANING - spot, pet stains, odor removal, auto int., fabric protector, free est., Lab disc. Jerry, 924-6019, days.

CATERING - all types home cooking, specialty, Italian home-made pastas and other fresh dishes, call for prices and menu. Luisa, 395-6055.

CHIMNEY SWEEP - fireplaces, oil, wood, coal stoves, custom stainless steeel caps, Lab disc. Mike, 821-5526.

COUNSELING - experienced, licensed social worker, help w/individual, marital or family problems, insurance reimbursable. Linda, 929-5860.

DJ/MC - party & dance music from '40s-'90s, all occasions, music & entertainment personalized for your affair, BNL refs. Lou, 698-8210.

DRYWALL INSTALLATION - tape, spackle, int./ext. renovations, painting, int./ext., custom colors, stains, powerwash. Scott, 325-0706.

FLOORS - waxing, stripping, carpets & upholstery shampooed, house cleaning, windows, free est. Leo, 447-6522.

HOME IMPROVEMENT - carpentry, drywall, spackling, painting, plumbing, ceramic tile, free est., Lab disc. Don, 744-2921 after 5:30 p.m.

HOUSE CLEANING - reasonable, very efficient, refs. Marty, 399-3495 any time.

HOUSE CLEANING - refs. avail. Sande, 924-3385.

INDIA - learn culture, history, Hindi, Urdu reading, writing, classes begin 6/5. 821-1863 or 744-5895.

JEWELER - special orders, repairs, honest, affordable, no job too large or small. Kelly, 821-5239.

KAYAK LESSONS - touring, river playboats, $80/5 hrs., equip. supplied, intro to kayaks, $25/2 hrs. Ernie, 281-7873.

LAND CLEARING - trees/stumps/brush removed, topsoil graded and rake w/450 loader, $70/hr. Tom Muller, 878-1060.

LOCKSMITH - sales & service, 10% Lab discount, keys cut during lunch. Pete, 399-2813 after 5 p.m.

MAILBOXES - custom-made, many colors and styles, free lettering, free catalog, installation avail, Lab disc. Mike, 821-5526.

NURSE'S ASSISTANT - Boces/State-certified, avail. part time. Lorraine, 929-3910.

PAINTING - int./ext., power washing, decks, staining, lic. & insured. Vic, 467-5661.

PAINTING - int./ext., taping, spackle, wallpaper, staining, polyurethane, gutters, sheetrock, roofing, refs. insured. James, 399-4912.

PARTY TENTS - we setup and take down. Fred Kuehl, 588-2268.

PARTY TENT - 20'x30' w/side curtains, we set up and take down, $250/38 hr. 321-2889.

PLUMBING & HEATING ALTERATIONS - and repair work by retired BNL employee. 472-1205.

POWER WASHING - decks, cedar shakes, vertical cedar & vinyl siding, brickwork, patios, pool areas, boats, more, free est. John, 727-1140.

ROTOTILLING - no size too small, gardens or for new lawns, reasonable. Paul, 924-8143.

SHEET ROCKING & SPACKLING - free est. Kevin, 563-9855.

SKYLIGHTS - complete, prof. service, cleaning, preventive maint., installations. Joseph, 924-6019.

TRANSMISSION REPAIR - foreign & domestic, 10% off BNL employee. Cesar, 744-8181.

VIDEOGRAPHER - capture those precious moments on video, will tape weddings, parties, all occasions.Larry, 281-7240.

WINDOW CLEANING - all work squeaky clean, reliable, refs. 928-3189.

In Appreciation

Heartfelt thanks to all our friends at BNL who gave us such a warm send-off.
- Dorothy & Don Metz

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

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