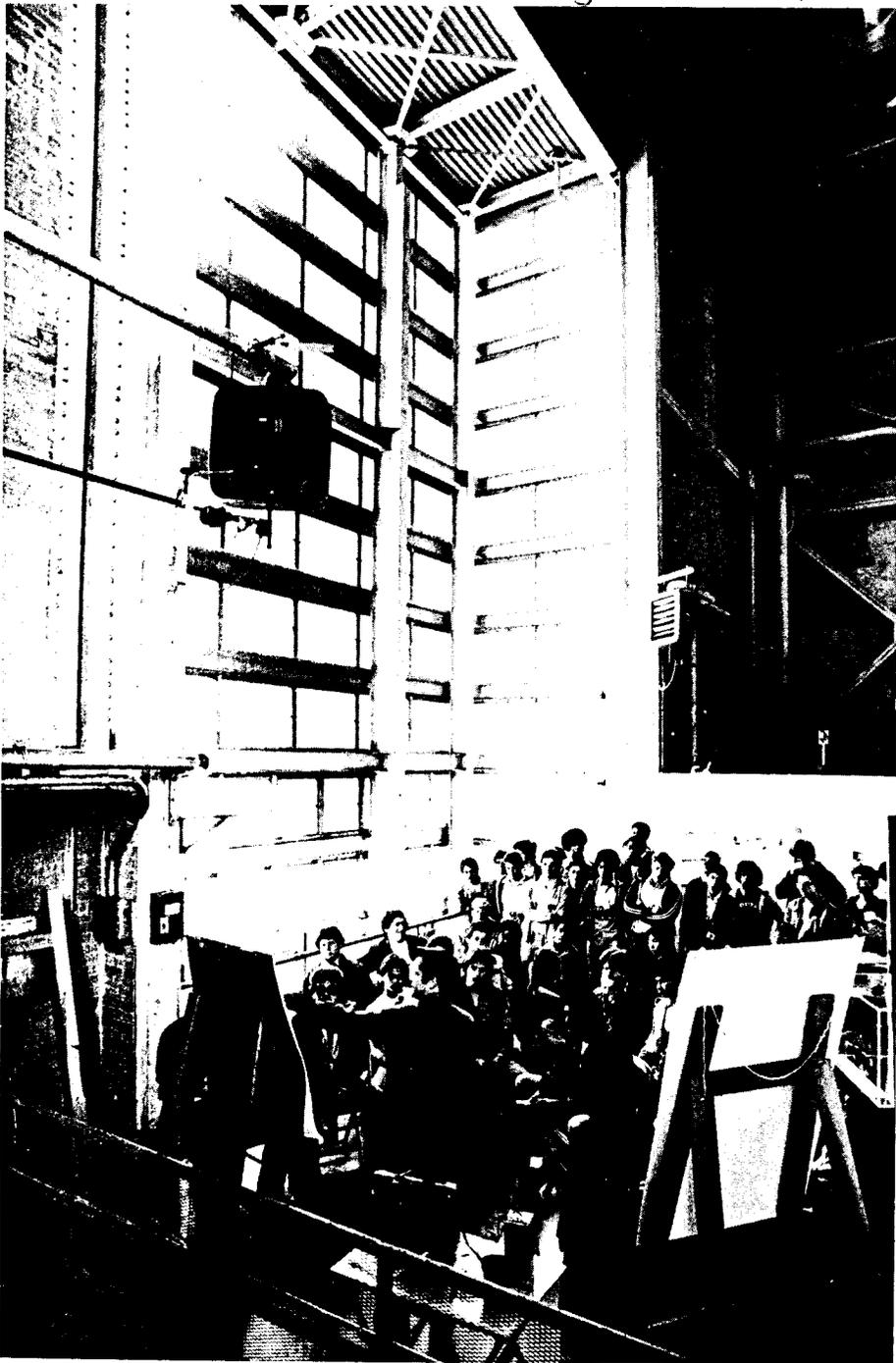


BROOKHAVEN BULLETIN

Volume 32 - Number 21 / June 2, 1978
BROOKHAVEN NATIONAL LABORATORY

5-627-78



George Wagner, Biology Dept., described plant cell structures to high school students during their recent visit to the Exhibit Center.

Public Tours Begin Tomorrow

Beginning this weekend, the public is invited to the first of sixteen weekend tours of the Laboratory scheduled for 1978. In the third season of Brookhaven's weekend tour program, free guided tours will be offered every Saturday and Sunday, except holiday weekends, between June 3 and October 1.

Tomorrow and Sunday, the highlight of the program will be a mini-tour of the High Flux Beam Reactor. Visitors will be taken into the reactor building through its air lock doors, to visit the control room and view the experimental facilities.

Every tour will begin at Berkner Hall, with a showing of "Brookhaven's Quest," a 15-minute visual experience that tells the story of BNL. Visitors will then board buses for a guided tour of the core of the Laboratory site.

Although the mini-tours will vary each

weekend, an every-weekend major feature will be a stop at the Exhibit Center, the former home of the now decommissioned Graphite Research Reactor. The "atomic pile" is still in place and serves as a dramatic backdrop for dozens of displays depicting the Laboratory's past, present and future research.

A new Life Sciences section at the Exhibit Center focuses on medicine, biology and chemistry. Among the displays are an aquarium full of genetically identical fish which are used in research into human skin cancer, a working laser employed in isotope separation, and a small version of a meadow-marsh-pond sewage treatment project.

Employees who wish to give visiting friends and relatives a look at the Laboratory's research should plan to bring them

(continued on page 2)

Shedding Light On The Light Source

9-68-75

By early this fall, ground breaking is expected to take place for the National Synchrotron Light Source. The \$24 million facility at Brookhaven will provide the most powerful and versatile source of synchrotron radiation in the world.

In a BNL Lecture on Wednesday, June 7, at 8 p.m., in Berkner Hall, Martin Blume, who headed the design committee of the Light Source, will speak on "Synchrotron Radiation and What You Can Do With It."

Synchrotron radiation is the very intense electromagnetic radiation produced by an accelerated electron moving at close to the velocity of light. It was first detected in an electron synchrotron and, according to Blume, "it is an annoyance to the high energy physicist because it makes the acceleration of electrons difficult. To scientists who use x-rays and ultraviolet light in the study of matter, however, it is extremely useful."

In this lecture, Blume will discuss the unusual properties of synchrotron radiation, methods of producing it, and some ways in which it can be used to probe the structure of matter.

Martin Blume was born in Brooklyn and attended public schools in New York City. He graduated from Princeton with a degree in physics and obtained a Ph.D. in theoretical physics from Harvard. He joined Brookhaven in 1962 after post-doctoral positions at the University of Tokyo and at the Atomic Energy Research Establishment in Harwell.

Blume is currently Head of Solid State Physics and Deputy Chairman of the



Martin Blume

—photo by Rosen

Physics Department. Since 1972 he has held a joint appointment as Professor of Physics at the State University of New York at Stony Brook. His research has been concerned with solid state theory, including the magnetic properties of matter, neutron scattering, phase transitions, and synchrotron radiation.

A buffet supper, beginning at 6:30 p.m., will be served in the Brookhaven Center before the lecture. Reservations should be made in advance by calling Ext. 3541 before 5 p.m. Refreshments will be available in the lobby of Berkner Hall immediately after the lecture.

PINY Convocation On Long Island

5-1516-78



On Tuesday, Laboratory Director George Vineyard was the guest speaker at a special convocation at the Long Island Center of the Polytechnic Institute of New York. This event marked the graduation of the first class of undergraduate students from the Long Island Center. At the convocation, Dr. Vineyard was also inducted as a Fellow of the Institute.

Speakers Bureau

May

- John Andrews** (DEE), Southampton College "Sun Day" Forum, "Solar Energy," May 3
Richard Griffith (DEE), Suffolk County Community College, "Solar Energy," May 3
Peter Montemurra (DEE), "Sun Day" at Farmingdale High School, "Solar Energy," May 3
Ed McDougall (DEE), Wading River PTA, "Solar Greenhouses," May 15
R.C. Anderson (DO), Floral Park Rotary Club, "Energy Options for the Future," May 16
R.C. Anderson (DO), Senior Citizens Association of Shelter Island, "BNL General," May 17
Ralph Weston (Chem.), Institute of Environmental Sciences, "Man's Threat to the Stratosphere," May 18
Andres Doernberg (DEE), Economic Forum of Shelter Island, "National Energy Plan," May 19
Suffolk County Science Explorations, May 23 & 24. **Joyce Tichler** (DEE), "Computer Applications in Atmospheric Science; **Mike Brooks** (Reactor), "Introduction to Radioactivity;" **William S. Hillman** (Bio.), "Light & Biological Clocks;" **Robert Brown** (DEE), "Air Pollution;" **Carmen Benkovitz** (DEE), "Overview of Research Activities in Atmospheric Sciences;" **Irvin Meyer** (Chem.), "Glassblowing."

Inside Info

George Adler (DEE) will deliver the welcoming address at the 5th International Symposium on Organic Solid State Chemistry to be held at Brandeis University, June 13-16. Adler was committee chairman and editor of the proceedings at the first symposium, which was held at Brookhaven in 1968, and has been a member of the committee or a session chairman at each subsequent meeting. With Professor John Sherwood of the University of Strathclyde, Glasgow, he will be co-editor of the published proceedings of the 5th symposium.

New DOE Office

DOE nuclear waste management functions have been consolidated into one office. Secretary James R. Schlesinger recently established the Office of Nuclear Waste Management in the Office of the Assistant Secretary for Energy Technology. Under the direction of Robert L. Morgan, Acting Program Director, the new Office will be responsible for the planning, development and implementation of defense and civilian nuclear waste processing and isolation, spent fuel storage and transfer, transportation of nuclear waste materials, and decommissioning and decontamination of the Office of Energy Technology's nuclear activities.

Basic Math Course

A mathematics indoctrination course will be conducted during the summer for the benefit of employees intending to take college algebra or technical mathematics in the fall, and who need prior review in basic mathematics. This course will serve as a pilot for other advance preparation courses which may include physics, chemistry, accounting, programming, or other subjects of interest.

The classes will be given during working hours in the technician tutorial classroom in building 179. It will be necessary for the participants to have their supervisors' permission to attend. For further information, call Bob D'Angio on extension 2878, or Roy Jefferson on extension 2527.

6th Energy Institute Scheduled For Teachers

Brookhaven will again conduct an In-Service Energy Institute for junior and senior high school science and math teachers, beginning September 18 and continuing to May 21, 1979.

This is the sixth in a popular series of Energy Institutes held at the Laboratory since 1972. It is being sponsored by the National Science Foundation and is under the direction of Donald Metz, (DEE).

Thirty sessions will focus on the fundamental concepts of energy from the perspectives of basic science and engineering; how energy is produced and consumed; the benefits and costs of adopting various alternative energy systems; and the complex mixture of scientific, technological, political, legal, social and economic factors that are involved in developing and implementing new technologies and conservation measures.

The eight-month-long series will be divided into three segments, each involving interaction with members of the Laboratory's scientific staff who are actively engaged in energy-related research.

The first segment will consist of back-

ground lectures and group discussion on basic energy concepts. The teachers will then split into small groups to study individual energy systems (such as fossil, nuclear, solar, geothermal and wind) and conservation measures. Each group will share its findings with the others in a written report and an oral summary.

In the final segment, centering on comparisons and prospects of each energy alternative, the groups will be reorganized so that each focuses on one aspect of energy production.

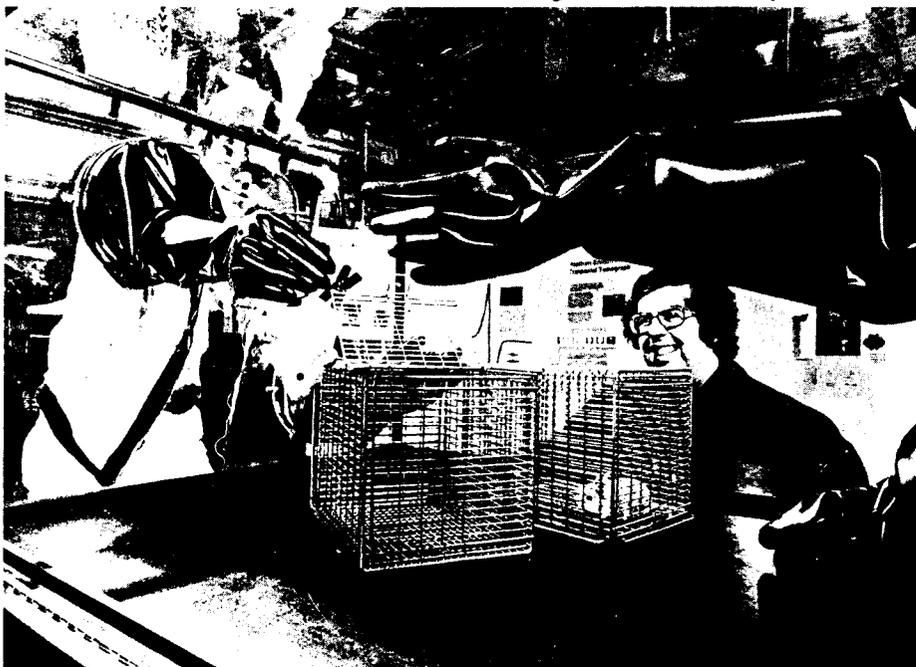
In addition, each participant will be expected to work on an individual project which will have future use in his or her school or community.

Any junior or senior high school science or math teacher in Nassau or Suffolk County who has 12 semester hours credit in science and a working knowledge of algebra, logarithms and exponentials is eligible to apply for the Institute. Admission will be limited to approximately 35 participants. There are no fees or charges. Deadline for application is June 23.

Summer Tours (Cont'd)

on one of these summer weekends. Hours are from 10 a.m. to 4 p.m., but visitors are advised to arrive before 3 p.m. in order to complete the tour. Watch the Bulletin for the Laboratory department or research project to be highlighted each weekend.

Last summer, over 15,000 people visited Brookhaven and this year's expanded tour program is expected to increase that number substantially.



By inserting their hands into bulky gloves, high school students try to put toy mice into their cages in a sealed "glove box," one of the exhibits in the Exhibit Center's new life Sciences section. Since April 7, nearly 2500 students have visited the Lab on Friday tours. Today, the high school student tours recess for the summer and will resume in October for two months.

Hold The Pruning

The combination of wind and bright sun during periods of cold last winter caused considerable browning of evergreen foliage and some dieback of twigs, particularly on Japanese holly, azaleas and rhododendrons.

The Cooperative Extension Association of Suffolk County recommends to concerned gardeners that they wait a few more weeks before doing any drastic pruning. They say that dormant buds should break open further down the damaged stem, and the dead tips can be removed at this time.

Cafeteria Menu

Week Ending June 9, 1978

Monday, June 5	
Tomato bouillon	(cup) .30 (bowl) .40
Franks and beans	1.10
Roast sirloin of beef and 1 veg.	1.40
Hot Deli - Pastrami	(on bread) 1.15 (on roll) 1.25
Tuesday, June 6	
Minestrone soup	(cup) .30 (bowl) .40
Saga's homemade Lasagna and 1 veg.	1.35
Chopped steak and 1 veg.	1.10
Hot Deli - Knockwurst	(on bread) 1.15 (on roll) 1.25
Wednesday, June 7	
Split pea soup	(cup) .30 (bowl) .40
Short ribs of beef and 1 veg.	1.40
Fried rice and pork w/Chinese noodles	1.30
Hot Deli - Italian sausages & peppers hero	1.25
Thursday, June 8	
Puree of Mongol	(cup) .30 (bowl) .40
Chicken cacciatore on noodles	1.20
Beef liver w/onions and 1 veg.	1.15
Hot Deli - Barbequed beef	(on bread) 1.15 (on roll) 1.25
Friday, June 9	
Clam and celery soup	(cup) .40 (bowl) .50
Pot roast and 1 veg.	1.40
Seafood cakes and spaghetti	1.10
Hot Deli - Smoked tongue	(on bread) 1.15 (on roll) 1.25

Hospitality Committee

A morning coffee will be held in the Brookhaven Center on Tuesday, June 13, from 9:30 to 11:30 a.m.

All wives of Laboratory employees are welcome. Please come and bring the children. It is suggested that you bring along a toy for your child to play with.

Canoe Trip

The BNL Mountain Club will be canoeing on the upper Delaware River, Saturday and Sunday, June 10 and 11. Camping space has been reserved and interested persons should contact Don David, Ext. 4821 or Dick Watson, Ext. 3788. White-water suitable for beginners will be encountered.

Camera Club

The BNL Camera Club will meet Thursday, June 8 at 7 p.m. in the Recreation Building. The meeting will include a demonstration of color printing from negatives and slides, using Uicolor materials. Also, officers will be elected. Prospective members are welcome.

Arrivals & Departures

Arrivals

Karn N. Buitron	Personnel
Stephanie-Noel Dodt	Biology
William H. Farland	Biology
Everett Hunter	Accelerator
Patricia Kavanaugh	Fiscal
Payman Mortazavi	Accelerator
Linda D. Willot	Contracts & Proc.

Departures

Debra V. Abruzzo	Energy & Env.
Joan M. De Sio	Energy & Env.
Frank J. McKay	Supply & Materiel
Budd S. Pollock	Safety & Env. Prot.
Jeffrey A. Tarvin	Physics
Dar-Sun Tsien	Applied Math.
Martin Van Lith	Staff Services

BROOKHAVEN BULLETIN

Published weekly
for the employees of

BROOKHAVEN NATIONAL LABORATORY

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Product Seminar

AMP Special Industries, Valley Forge, Pa., will present a product seminar on electrical and electronic wiring devices on June 7, between 10 a.m. and 3 p.m., at Berkner Hall.

The following items will be presented:

- coaxial connectors
- coaxial ribbon cable and its mass termination technique
- multimate pin and socket connectors
- ZIF (zero insertion force) connectors of the printed circuit and integrated circuit types
- amplimite and champ connector series

All interested staff members are invited to attend.

Day Care Benefit

At a benefit for the Bellport Day Care Center, Inc., The Boehm Quintette will appear in concert on Friday, June 9, at 8 p.m. at the Bellport Middle School, Kreamer Street and Station Road, Bellport.

The Boehm Quintette, a woodwind ensemble, will perform works by Cambini, Bach, Taffanel and Heiden. Its individual artists have appeared with the American Ballet Theatre, New York City Ballet and the Royal Ballet. Tickets are \$5; \$3.50 for senior citizens and students under 18; and may be purchased from Colin Stewart at Ext. 4154, or 286-9616, or from the Sou'wester Bookshop, Bellport.

Softball

League II Wednesday

NSLS (1-0) 35 Radicals (0-1) 7

The newly formed NSLS Team was paced in this one-sided victory by home runs from John Gallagher and Wayne Rambo. All other Wednesday games were rained out.

Mixed League

It looks like the "I Don't Knows" made a smart move by changing their name to the "E-Z Riders." A new name and they played like a different team. They beat the "Who Cares" 22 to 12. Gary Goldstein was 5 for 5 with 2 HR's and Ricky Zahra with 1 HR. Nadine Goldstein was 3 for 4 and, again, a good pitching job by Nick Masciopinto. Dave Schweller had a grand slam homer for the Who Cares.

Selected Reading

New Sci. 78, May 11, 1978

Tint of suspicion. J. Hanlon. 352-6

A race spurred by rivalry. N. Wade. 358-60

Nuclear waste disposal. M. Hill and P. Grimwood. 375-7

BNL Will Have A Tiger At The Gates

5-1320-78



The Theatre Group's production of "Tiger at the Gates" opens June 9 at 8:30 p.m. in Berkner Hall. Other performances are scheduled for June 10, 16 and 17. The play is directed by William Love and features some of Brookhaven's favorite performers. Above, from left to right, are Rita Straub (Hecuba), Dina Radeka (Polyxene), Patricia Cederwall (Helen) and Jane Love (Andromache). Others in the cast are Denise Dew-Hughes, Bob Kinsey, Anthony Fainberg, Joseph Indusi and Dennis Weygand. Tickets are available in the cafeteria at lunchtime. Admission is \$3 for employees and guests; \$2 for those over 65 and under 18.

Bike Race Time Change

The one-lap bicycle race this Sunday is now scheduled for 8:15 a.m. sharp with registration from 7:45 a.m. The two-lap race has been cancelled.

Bowling

1980 will be a banner bowling year for Suffolk County.

At the annual New York State convention held in Albany on May 20, Suffolk was voted the site for the 1980 annual tournament and convention.

This is a "first" for us and we of the Suffolk County Women's Bowling Association are both proud and happy to be able to show our county to the thousands of women bowlers throughout New York State.

We plan to make 1980 the biggest and best tournament and convention year in New York State history.

—Cathy Van Noy

Classified Advertisements

Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position, with consideration given to candidates in the following order of priority: (1) present employees within the department, with preference to those within the immediate work group; (2) present employees within the Laboratory as a whole; and (3) outside applicants.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all nonscientific staff positions; second, to give employees an opportunity to request consideration for themselves through Personnel; and, finally, for general recruiting purposes. Because of the priority preference policy stated above, each listing does not necessarily represent an opportunity for all candidates. As a guide to readers, the listings are grouped according to the anticipated area of recruitment, as indicated below. Except when operational needs require otherwise, positions will remain open for one week following publication date.

For further information regarding a placement listing, contact the Personnel Placement Supervisor, Ext. 2882.

LABORATORY RECRUITMENT: Opportunity for present Laboratory employees.

657. AUTO-TRUCK MECHANIC - Staff Services Division.

658. MATERIAL HANDLER - Supply & Materiel Division.

OPEN RECRUITMENT: Opportunity for present Laboratory employees and outside applicants.

660. CHEMISTRY ASSOCIATE - BS in chemistry or its equivalent. Must be familiar with crystal systems and Fortran. Experience with crystallography and PDP 10 desirable. Chemistry Department.

661. COMPUTER OPERATOR - Rotating shifts. Applied Mathematics Department.

662. EXPERIMENTAL MACHINIST (2 POSITIONS) - Central Shops Division.

659. CLERK-TYPIST - Supply & Materiel Division.

Autos and Auto Supplies

69 JAVELIN - 6 cyl, 3 spd standard, am radio, good cond, great gas mi, \$400., Santo, 289-0519 or 924-6898.

73 GRAND TORINO SQUIRE - Excel cond, 58,000 mi, radials, brakes, shocks, battery at 43,000, Mike, 286-0157.

NEW & USED TIRES - Rims, repairs, MAG wheel service, reg, radial, Dunlop-Michelin, FREE instal, balance avail. Fred Usack, Ext. 4597 lunchtime or 475-4935 eves.

4 SPEED TRUCK TRANS - Will fit '48-'68 Chev, good cond, \$100., John, Ext. 4425 or 744-4386 eves.

WHEELS - (2) Anson Sprint Mag's, 14x8, Unilug, \$50., M. Kinney, Ext. 2351 or 924-3783.

APPLIANCE HEADERS - For small block Chev, \$40., M. Kinney, Ext. 2351 or 924-3783.

68 CHEVROLET PICK-UP - 1/2 ton, 62,000 mi, \$650., 286-3815.

VW WINDSHIELD WASHER - Pressure container, \$2., Frank Kainz, Ext. 3898.

AM CAR RADIO - To fit Volvo 122 model, \$5., Ford starter motor, \$15., Frank, Ext. 3898 or 799-4896.

70 TOYOTA CROWN - 6 cyl, FRT, disc brakes, 28,000 mi on completely rebuilt engine, \$800, 286-8827.

TIRES - (4) steel bias (Honda) 155-13/6.15-13 used for 2,000 mi, \$100, Betty, Ext. 3671 or 281-8343 after 5:30.

68 CHEVY CARRYALL - 4 whl drive, (5) Firestone all terrain tires, 327 engine, call for price, Betty, Ext. 3671 or 281-8343 after 5:30.

76 HONDA - CB200, like new (20 mi), \$750, 981-3965 or 331-3358.

MUSTANG ENGINE - Completely rebuilt 302 V8 w/ standard trans, headers, thrush muffler system, \$250, 924-6021.

69 FORD VAN ECONOLINE - 6 cyl, auto, very good cond, must sell, best offer over \$1,000, 862-9384.

73 DODGE DART - Swinger, p/s, a/c, 6 cyl, orig owner, well kept, \$1295., Ext. 4217 or 472-0137.

CAR PARTS - From '70 VW bug, steering column, rear window, side window, starter, pedals, dashboard, also some Chevy parts and engine, Rex, 744-3968.

SNOW TIRES - (2) C78-13, new, \$50., (2) C78-13 tires, \$30., used, (5) B78-13 tires, \$75., Rex, 744-3968.

It's Hustle Time!

Everything is all set to go for the Brothers of BNL dinner dance tomorrow night at the Cafeteria. The dinner and the dancing will get under way at 9 p.m. The Jack Sass Band is the big draw and will play until 1 a.m., after which a disc jockey will spin records into the wee hours. The charge for the evening's entertainment and a buffet is \$10 per person, with a cash bar. Tickets are available from the following, and may also be purchased at the door.

Accelerator.....Helen Keeley
Applied Mathematics.....Mary Cooper
Biology.....Ruth Wright
Dept. of Nuclear Energy.....Frances Scheffel
Director's.....Janet Sillas
Fiscal.....Jo Gazzola
Medical.....Jackie Larrie
Physics.....Melody Howard
Safety & Environ. Protect.....Sandra Saunders
Staff Services.....Joan Perullo
Supply & Materiel.....Marge Weltz

73 MG MIDGET - Good cond, am/fm, 65,000 mi, after 6 p.m., 727-7354.

69 OPEL WAGON - Runs but needs work, auto trans, roof rack, \$400., Carl Nagle, Ext. 4680 or 281-7627 after 5.

75 VEGA - Excel cond, auto, low mileage, radials, rear defogger, 23 mpg, recent tune up, Ext. 4241, 286-9390.

67 VOLVO 122S - Orig owner, engine in good shape, body needs some work, 2 dr, am/fm, 4 spd, 140,000 mi, 4 good Michelin tires incl, \$350, Tom Koetzle, Ext. 4384.

73 VEGA - Manual shift, 59,000 mi, good cond, cassette stereo, \$500, Hirano, Ext. 2305 or 3078 after 6.

CAR RADIO - Am/fm from 76 vehicle, hardly used, \$35., Jim, Ext. 4040 or 289-0876.

68 DODGE - Station wagon, excel running cond, \$500., Frank, Ext. 2333, or 475-5395 after 6.

70 PLYMOUTH - Cuda, 440 six pack, B & M trans, all stock, factory stereo, new tires, moving, must sell, Bob, 588-3359.

Boats & Marine Supplies

18' FG OWENS - '60, 60 hp Evinrude, '64 elect start, teenee trailer, Bob, 744-0818.

24' SAILBOAT - Twin-keel, sleeps 4, galley, enclosed head, jib, main + large genoa, excel for bay or sound, Ext. 3039 or 744-2549.

17' THUNDERBIRD FORMULA - 75 hp Chrysler, extras, 924-8547.

14' FIBERGLASS SAILBOAT - Scorpion (like sunfish), \$250., 473-7546.

18' HARDTOP - Wooden boat, lapstrake construction, excel cond, new trailer, \$600., or best offer, Ext. 3063 or 744-4066 after 6.

66 JOHNSON OUTBOARD - 75 hp, elect starter, \$200, Larry Arnold, 281-7754.

TRAILER WHEEL - 4 bolt rim, new nylon Cox tires 5.70x8, \$20.; also set of fenders, \$10., Ext. 4058 or 286-0436.

Miscellaneous

GARAGE SALE - June 3-4, 12 to 6 p.m., 15 Windus Dr, Shirley, Spanish Prov furniture and misc.

GARAGE SALE - June 9-10, toys, furniture, clothes, tools, baby items, and more, 2 Quiet Ct, Miller Place, 928-4270.

TRAVEL IRON - Steam, G.E. w/Internat'l adapter plugs, new cond, \$8.50, Ext. 4650.

RAMPS - For car and light truck, Sear's best, sold for \$49., selling for \$25., Joe, Ext. 2012.

JUDO G.I. - Size 3, excel cond, \$15., Joe, Ext. 3789, 924-0564.

CB - Midland 898B, 24 channel, SSB base, peaked, clock, mint cond, \$160., 929-4940 after 6 p.m.

TYPEWRITER - Smith-Corona galaxie 12 manual portable typewriter, wide carriage, pica, w/case, perfect cond, retails for \$170., selling \$85., 751-1588.

ANTIQUES - Trunk, \$50.; oak drop leaf table, \$100.; marble sink top w/china sink, \$25.; Victorian chair, \$20., 286-0761.

SEWING MACHINE - Universal port w/free arm for buttons, button holes, \$50., 281-8497.

STONEWARE - "Crown Royal," serv (8), stainless knife, fork, etc, \$50., Salton peanut butter mach, \$15., 281-8497.

COX TRAILER - '65 pop-up, new tires, porta potti, elect heater, \$400.; stereo & TV, needs work, free, you pick up, Bob DeLello, Ext. 2964.

SADDLE - English, forward seat (less fittings), very reasonable, English riding boots, size 9C, Pat, 298-8186.

MOWER - Jacobsen reel mower, good cond; cast iron kitchen range, wood or coal, W. Kane, Ext. 3841, 286-9450.

COX CAMPER - Pop-up, sleeps (6), very clean, \$400., Wally, Ext. 3284, Ext. 3762.

BICYCLE - 13" w/training wheels, excel cond, \$25. or best offer; plastic car w/pedals, good cond, \$15. or best offer, S. Spark, Ext. 4111.

WALL MIRROR - For full wall, 4 sections approx 3'x8' to cover a 12' wall, cost \$600. installed, will sell for \$200., you pick up, 736-2728 8 a.m. - 8 p.m.

AUDIO COMPONENTS - Mic electro - voice model 664, \$40.; Tandberg Model 64, 4 track open reel tape deck, \$250.; (2) JBL 3 cu ft speaker encl w/HL87 horn lens assembly, \$150., Ext. 3828, 751-7250.

FREE PUPPIES - Beagle and dachshund mix, available 1st wk in June, 281-7113.

ELECTRIC PERCULATOR - Farberware, 3-9 cup, like new, \$10., 286-0932 evenings & weekends.

HOT AIR FURNACE - Plus humidifier, all attachments, elec hot water tank, excel cond, 727-0661 after 6.

75 HONDA - Motorcycle CB 360, like new, low mileage, \$800., Gene, Ext. 4605 or 744-3945.

73 YAMAHA - RD350, custom paint, new pistons, excel cond, \$475., Fred, 924-3556 eves.

GREENHOUSE - 6x8 alum & glass, w/benches, propane gas heater avail, \$200., Irene Merritt, 589-5126.

76 SUZUKI - 550 cc, 4,500 mi, shield, bars, like new, Howard, Ext. 3260.

INSULATED BOOTS - Felt lined, waterproof boy's size 5, excel cond, \$10., C. Economos, Ext. 2594.

ROLLEI 35 CAMERA - Carrying case, filter guide book, excel cond, best offer, Economos, Ext. 2594.

COLOR TV - 19" Hitachi, 3 yrs old, used 6 mo, stand, \$150., 331-2779.

WINDOWS - (3) double hung, double pane insulated, white baked alum, w/screens, 70 3/4"x48" at \$80. each; (1) 70 3/4"x64 1/4" for \$125., 331-2779.

BICYCLE - 27" Peugeot 10 speed, excel cond, \$125., Ed, 286-0934 after 3:30.

POOL LADDER - 3 1/2 ft, \$15.; pool vacuum attachment and hose, \$15., Frank, 799-4896.

BICYCLES - Old Schwinn single speed, male and female, \$5. ea; bottles, skis, typewriter, records, sleds, prices negotiable, Eric, Ext. 5533 or 473-1727.

TYPEWRITER - Smith Corona portable, excel cond, \$25., willing to trade up to full size elec, Ernie, Ext. 3499.

GAS STOVE - 36" Magic Chef, good cond, \$30., Frank, 475-8187.

WATER BED - Queen size w/wood frame and heater, Betty, Ext. 3671 or 281-8343 after 5:30.

DOG HOUSE - For small to medium sized dog, \$5.; geodesic dome jungle gym, \$8., Ext. 3063 or 744-4066 after 6.

BIKE - Sony, 21 1/2" frame, 10 spd, cp brakes, like new, \$70.; crib, good cond, \$45., 475-0144 after 6.

KITCHEN SET - Formica top, Joe, 231-8479 after 6.

DELUXE JET AIR HOCKEY - Game, \$55.; 10" sq recessed ceiling lights, 2/\$15. or best offer, 862-8596.

EXERCYCLE - Good cond, \$15., 862-9384.

SET OF 3 - Wooden windows, 9'x3'6", overall w/screens, free, David, Ext. 3501 or 286-8097.

ANTIQU ORGAN - Mason Hamlin, Jan. 20, 1874, asking \$300., 862-8596.

CARTONS FOR MOVING - Boxes used by Allied Van Lines, different sizes, excel for relocation packing, 50¢ ea, Ext. 4798 or 928-6965.

HUMIDIFYER - For winter dryness, on casters, blow-air, seven gallon capacity, 2 fan spd, humidistat control, used 4 seasons, \$25., Ext. 4798 or 928-6965.

BEDROOM SET - Twin, plus 3 twin beds; coffee and end tables; washer and dryer, refrig, 475-3292.

CAMPER - Pop up, sleeps 8, ice box, stove, portable heater, porta potti, power converter, \$1200., 585-3004.

FREE - (3) kittens, 3 weeks old, available June 15, Cecile, Ext. 3631 or 878-0357.

ELECTROLUX SHAMPOOER - Floor waxer, excel cond, \$75., 399-2451 after 5:30.

TV - GE 23" black & white console, \$25., 878-0071.

SHRUBS - Blue spruce, yews, azaleas and rhododendrons, various sizes and prices, can dig your own, Jim, 286-0024.

CHAIN SAW - 12" gas Sears Craftsman, like new, \$45., Ext. 4240 or 286-0295.

BDRM SET - Solid maple chest w/built in desk, twin bed, \$85.; antique radio, floor model, \$25., Ron, Ext. 4082 or 289-1003.

TURNTABLE - W/changer stereo, \$15.; ice skates, boy's 4, \$3; Hammerlund rec HQ129X, \$60., Ron, Ext. 4082 or 289-1003.

3/4 SIZE MATTRESS - And box spring set, excel cond, \$60.; 36x80 aluminum storm door, Ext. 2447 or 878-1486 after 6.

FIREPLACES - In boxes, brand new, \$125., Emma, Ext. 2456.

CANNING JARS - (Glass top) quarts, Ext. 2926 (dj)

SHAG RUG - Royal blue, 12x17, excel cond, \$50.; portable sewing machine, needs tune-up, \$35., Marie, Ext. 2345, 744-4047.

Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed or national origin of the applicant.

For Sale

BELLPORT VILLAGE - 1/2 acre, 2 baths, 2 car garage, screened porch, attached greenhouse, many extras, \$47,500, 286-2724.

ROCKY POINT - "Tides North" custom decorated Colonial, 4 bdrms, den, fp, w/w appliances, fenced, 18 ft Florida rm, walk to priv beach club, 744-1927.

E. PATCHOGUE - Exclusive area, custom all brick ranch 23' l/r w/fp, formal d/r, lg kit and fam rm, 3 bdrms, 2 1/2 baths, fin bsmt, double garage, in-ground pool, many extras, 289-3415.

S. SETAUKET - Strathmore "Framingham," 5 bdrms, 3 full baths, central a/c, underground sprinkling system, w/w carpeting throughout entire house, many extras, \$49,000, 698-1785 after 5 and weekends.

SHOREHAM - "5 min to Lab" 3 bdrm contemporary ranch, landscaped and fenced 1/2 acre, carpet, a/c, appl, and more, plus low taxes, \$33,750, 744-6772.

SETAUKET - Owner moving, great sacrifice, asking low 40's for 4 bdrm, 2 baths, 2 kit, 2 1/2 yr hi-ranch, poss for M/D or extra income, Martha, Ext. 3307 or 751-8649.

SHOREHAM VILLAGE - Clarendon Colonial, 1 1/4 wooded acres, 4 bdrms, 2 1/2 baths, formal d/r, den, fp, appl, deck, full bsmt, beach, village tennis/paddle courts, Country Club, relocating, \$87,000., 744-1935.

MT. SINAI NO. - 7 1/2 rm, 2 bath, custom ranch, quality constructed, semi-fin bsmt, garage, 1/2 fenced magnificent treed and landscaped acre, 6 appl, carpeting, must be seen, \$40,990., 473-6633.

SHOREHAM - North of No. Country Rd, 4 bdrm Cape, deeded beach rights, 1/2 acre, fp, eik, fin bsmt, \$49,500., 744-5801.

HEAD-OF-THE-HARBOR - Custom farm ranch, 6 bdrms, 5 baths, 3 fp's, fin lower level, 2.48 secluded wooded acres, must sell, no reasonable offer refused, 584-6058.

MIDDLE ISLAND - Small mother-daughter, 6 rm ranch, 1st floor, new completely fin one-two bdrm apt bsmt, 1/2 acre on dead end street, w/w carpet throughout, cyclone fenced, mint cond, \$38,000., 698-1813.

For Rent

MILLER PLACE - 3 bdrm house available for 1 yr on Aug 1st, 928-0821 after 5.

VERMONT - Furn chalet, fp, mt lake/pond swimming, canoeing, fishing, woodland trails, nearby tennis, golf, riding, music festivals, summer stock, antiques, rent wkly and monthly, 757-5599 after 4.

ROCKY POINT - Walk to beach, 3 bdrm, large kit, l/r, yard, \$275. plus util, 2 mo sec dep July 1. Bob Paul, Ext. 2903 or 744-9317.

MASTIC BEACH - Secluded 3 bdrm house w/vegetable garden, \$275./mo, 281-1053.

YAPHANK - Duplex apt, 2 bdrms, d/r, l/r, full bsmt, \$340./mo, heat incl, 581-2909.

CENTER MORICHES - (Holiday Beach) furn or unfurn 2 bdrm water view, beach rights, dockage, fishing, fenced yard, rent summer or all year, Esther, 289-1568.

GORDON HEIGHTS - 1 lg furn rm and bathroom, 15 min from Lab, in nice residential area, \$30./wk, util incl, 698-4622.

CORAM - 3 bdrm, furnished, summer home, available June 15 to Sept 4, rent nominal & negotiable, 928-9448.

Wanted

USED BICYCLES - (2) preferably 16"-18" wheels, Ext. 3828 or 751-7250.

ROOMMATE(S) - To find house in Smithtown area, Bob Paul, Ext. 2903 or 744-9317.

POP-UP-CAMPER - Sleeps 6, reasonable, 929-6335 after 6 p.m.

GUITARIST/SINGER OR VIOLINIST - For housewarming party July 8, Ext. 4416 or 744-2991.

BICYCLE - Boy's 20", reasonable, Ext. 4113 or 567-5947.

HEAD SAILS - For 33 ft sloop-luff to 38 1/2 ft, have roller furling genoa with gear & spinnaker to sell or swap, Bob, Ext. 3920 or 473-8804.

RECORDS - Rudolph Valentino and Ramon Navarro, 929-4701.

HOME FOR CAT - Beautiful red male, 1 yr old, neutered, excel mouser, M. Kinney, Ext. 4316 or 924-3783.

TENT - Cabin type, sleeps 6-8, Ext. 3304 or 399-2451 after 5:30.

RADIAL TIRE - Used, 165x13 or AR78x13, any make, 1/2 life left or better, Ext. 4798 or 928-6965.

DEHUMIDIFIER - Good working cond, reasonable, 924-6977.

WOMAN - For housecleaning, experienced and reliable, references, Adult Home, 475-8658 after 6.

Car Pools

STONY BROOK - Want to join near SUNY, Jay Adams, Ext. 3516 or 3513.

Services

BABYSITTING - Mastic, Shirley, Manorville, \$1.00 per hour, Missy, 878-1847.

SHARPENING SERVICE - Chain saws, hand and circular saws, Joe, 732-3286.

ASPHALT PAVING & SEALING - Bob, 475-4382.

FURNITURE STRIPPING - Varnish and paint removed, chairs caned, re-glued and repaired, 924-8547.

SMALL CAR REFINISHING - VW, Toyota, etc, body work incl (by inspection), Ext. 2546 or 744-4047.

WOODEN SHIPS DIVERS - We raise sunken boats, recovery and discovery, props, zincs, anything that happens underwater, we do, 744-3968.

CHILD CARE - College grad, nursery ed experience, my home, playmate, E. Setauket area, Sue Ellen, 928-5684.

BABYSITTER - MOTHER'S HELPER - Dependable, experienced 17 yr old girl seeks summer employment, prefer Shoreham/North shore area or on-site, avail eves and weekends, full time after June, 744-5098 after 3.

CONCRETE & MASON WORK - Patio, walks, repairs, etc, Paul, 744-8425.

Lost & Found

LOST - Warm up jacket, left in Berkner Hall at BNL Spring Run May 21st, blue, white stripes, key in pocket. A. Nauman, Ext. 3404, 286-3764.

Classified Ad Policy

Deadline is 12 noon Monday for publication Friday of the same week.

1. The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
2. All items for sale or rent must be the advertiser's property.
3. Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
4. Firearms offered for sale or trade may not be brought on site.

5. Ads not carried because of space restrictions will be held for publication in the next issue.
6. Ads are run only once and must be resubmitted if they are to be repeated.
7. Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employee's signature.

- For Sale: Auto & Auto Supplies
 For Sale: Boats & Marine Supplies
 For Sale: Miscellaneous

- Wanted
 Carpools
 Lost & Found
 Services

Check the heading applying to your ad.
Print or type your ad in 20 words or less.

Ads concerning property for sale or rent cannot be accepted on this form. Special Real Estate Ad forms are available at the Office of the Brookhaven Bulletin, 40 Brookhaven Avenue.

(Name & Phone No. To Call)

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

Send to: Brookhaven Bulletin, Building 460, 40 Brookhaven Avenue (Ext. 2345).