



BROOKHAVEN BULLETIN

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Volume 25, Number 12

March 25, 1971

Energy Lectures Start Next Week

A series of lectures on "Energy Needs, Resources, and Environmental Costs" given by Dr. Vance Sailor, will start next Thursday, April 1 in the North Room of the Brookhaven Center.

The lectures, which will begin at 8 p.m. will continue weekly throughout the Spring. Various problems will be examined which are associated with the supply of energy to meet the daily needs of society. The course is designed to be intelligible and useful to the non-scientist as well as to the scientist.

Areas to be explored include: present consumption and estimated resources; needs versus demands; social and economic consequences of fuel shortages; technical descriptions of various energy systems; the environmental costs of energy production; and many other aspects of the problems of power supply.

Further information about the series may be obtained from Mary Hall, Extension 7629.

Embassy Official Tours



Per Erik Loonofors, Secretary of the Finnish Embassy and Information Coordinator, (right) toured the Lab last Friday after conferring with Administration officials about BNL's research program. Icarus Pyros (center) electrical engineer, AGS, guided Loonofors to major research areas at Brookhaven. Rena Chasman, (left) a Swedish scientist working at the 200-MeV linac, accompanied the touring official.

—Humphrey

Safe Boating Course For Area Youngsters

Youngsters in the East Patchogue, Bellport, and Brookhaven Area who are interested in taking the New York State Young Boatman's Safety Course may still enroll up to Saturday, March 27.

Young sailors may enroll for the course at the Bellport Sr. High School on Beaver Dam Road and South Country Road in Brookhaven, on Saturday, March 27 at 10:00 a.m.

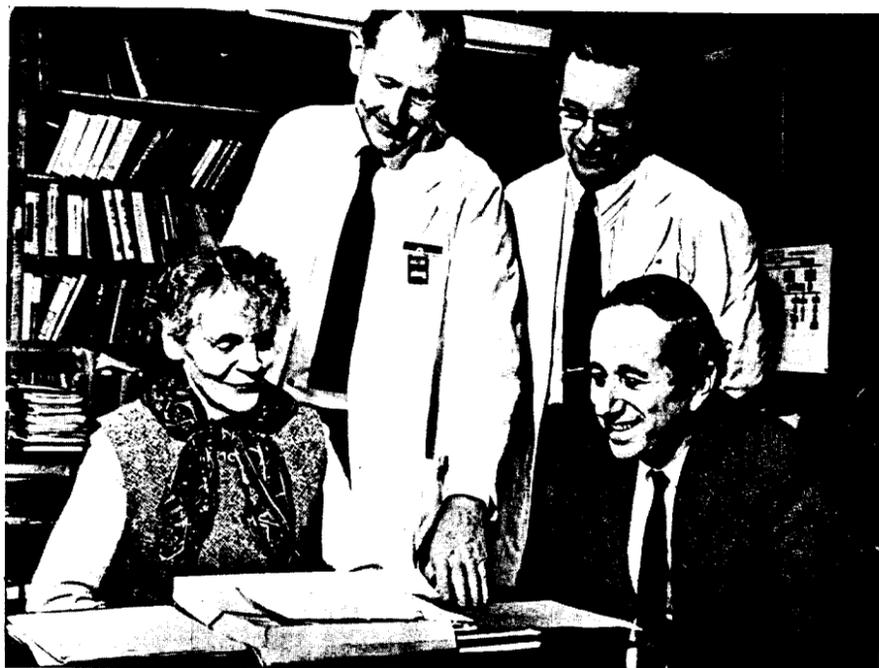
Youngsters aged 10 through 14 must take the course, sponsored by the Conservation Department's Division of Motor Boats, and earn a safety certificate before they may lawfully operate a mechanically propelled boat alone on New York State waters.

Youngsters in this area are urged to enroll now so they will not be disappointed when the boating season gets into full swing this summer.

The course consists of eight basic units and is designed to be taught in one-hour sessions. All course material based on the boating safety handbook "Make Sure - Make Shore" will be furnished free to youngsters taking the course.

The course in this area will be taught by members of the Patchogue Bay Power Squadron, a unit of the U.S. Power Squadrons.

Oxford Visitor At Medical



Dr. Alice Steward, Reader in Social Medicine at Oxford University (left) chats with members of the BNL Medical Department before giving a seminar on Wednesday afternoon. Seated with Dr. Steward is a former pupil of hers, Dr. Leonard Hamilton, Head of the Division of Microbiology. Standing are Dr. Eugene Cronkite, Chairman of the Medical Department and Dr. James Robertson, Head of the Division of Medical Physics. Dr. Steward was one of the first people to produce evidence of the harmful effects of x-irradiation on the fetus. Her seminar was titled "Low Dose Radiation Cancer in Man."

—Humphrey

BERA Concert Group Sets Season Finale

The final concert of the current season will be presented on Wednesday, April 7, by the renowned pianist Robert Goldsand.

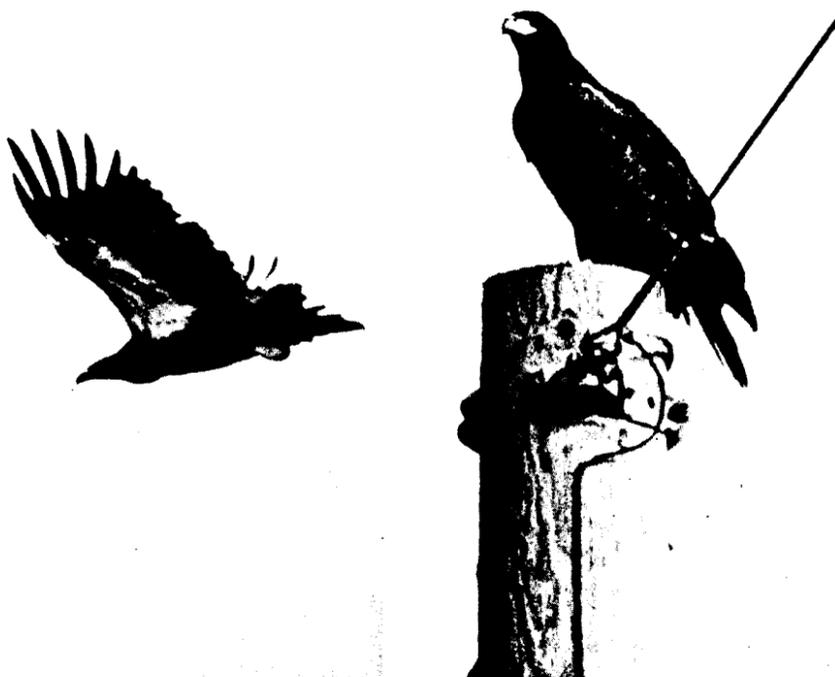
The program will feature Chopin's Berceuse and B minor Sonata and will also include works by Bach, Mozart and Rachmaninoff.

The concert will be held at Berkner Hall at 8:30 p.m. Tickets will be sold at the door. Admission prices are \$3.50 for employees and family members, \$4.00 for visitors and \$1.75 for children under 18 years of age.

IBEW Meets Tonight

Local Union 2230 IBEW will hold its regular monthly meeting on Thursday, March 25, 1971 at 8 p.m. in the K of C Hall, Railroad Avenue, Patchogue. On the agenda will be regular business, committee reports, and the president's report.

Part-Time Resident



Since early January an immature bald eagle has adopted Brookhaven Lab for a temporary home. In flight (left) or while roosting on top of a power line pole, he makes a magnificent sight. In spite of his six-foot wingspread, this eagle is an immature bird, not having yet developed the characteristic white head and tail. The eagle feeds on small animals and carrion, and is particularly pleased when he can feast on the carcass of a deer that has been hit by a car. The Grounds Maintenance crew under Ed Hunter keeps careful watch on the comings and goings of this glamorous visitor.

—Rosen

Barbara Tuchman Is Pegram Lecturer Monday & Tuesday

Barbara Tuchman, author and historian, whose book, *Stilwell and the American Experience in China*, is the current selection of the Book of the Month Club, will deliver the Eleventh Pegram Lecture on Monday and Tuesday in Berkner Hall.

Edwin Reichauer, former U.S. Ambassador to Japan, describes Mrs. Tuchman's book as "The most informative book the American public has ever had on the difficulties and failures of the American relationship with China. There is much for Americans to learn from this book that has an important bearing on our future relations with China and with all the non-Western world for that matter."

Mrs. Tuchman was born Barbara Wertheim in New York City on January 30, 1912. Her father, Maurice Wertheim, an international banker, publisher, philanthropist, and sportsman, was a founder of the Theatre Guild and a president of the American Jewish Committee.

In 1937 Barbara Wertheim went to Spain as correspondent for "The Nation," reporting from Madrid during the Spanish Civil War. She then worked for a while in London as a staff writer for the magazine "The War in Spain." Her first book, *The Lost British Policy: Britain and Spain Since 1700*, was published in 1938.

From 1943 to 1945 Mrs. Tuchman took time out from her duties as housewife and mother to serve as an editor at the news desk of the Office of War Information, dealing with Far Eastern affairs.

In her second book, *Bible and Sword: England and Palestine from the Bronze Age to Balfour* (New York Univ. Press, 1956), Mrs. Tuchman expresses sympathy for the Zionist cause and emphasizes the impact of Palestine's political geography upon its rulers through the ages.

The Guns of August, published in January 1962, sketches in the diplomatic prelude to World War I and the military history of its first thirty days, from the invasion of Belgium on August 4 to the eve of the Battle of the Marne on September 4, 1914.

As a journalistic historian rather than as an expert on military strategy, Mrs. Tuchman emphasized the human factor, stressing the weaknesses of national leaders in a time of crisis, whose actions during the first thirty days of the war largely determined the course of events in the years to come. Her treatment of the conflict as it developed in Europe contrasts with many economic and Marxian interpretations of World War I.

Mrs. Tuchman fears that the lessons of history are sometimes lost on the statesmen of the present day. "I'm not for sitting back in 1962 and saying, Look what fools they were," she told Joseph Wershba in an interview for the New York "Post" (February 18, 1962). "Anyone who wants to talk of the stupidity of 1914 has only to remember the Bay of Pigs in 1961."

The first of Mrs. Tuchman's lectures, on Monday night, will be titled "The United States and China." On Tuesday, her second lecture will be "The Historian's Craft."

The Eleventh Pegram Lectures will be delivered in Berkner Hall starting at 8:30 p.m. No tickets will be required for admission, and employees are encouraged to bring their families and friends. An informal reception in the Lobby at the conclusion of each lecture will provide an opportunity for meeting with Mrs. Tuchman.

Elected to Council

H.H. Smith was elected to the BNL Council by a majority of the ballots cast at a meeting of the tenure staff members of the Biology Department. He replaces R. Steele as Council Member, effective immediately. R. Steele is resigning in view of his administrative responsibilities in the Biology Department.

Stony Brook Events

Films, lectures and colloquia are among the events open to the public at the State University of New York at Stony Brook between Friday, March 26 and Thursday, April 1.

Friday, March 26

"Butch Cassidy and the Sundance Kid," a film starring Paul Newman and Robert Redford, will be shown by the Committee on Cinematographic Arts at 7 p.m., 9:30 p.m. and midnight in Room 100 of the Lecture Center, admission \$1.25.

Saturday, March 27

The film "Butch Cassidy and the Sundance Kid" will be repeated at 8 p.m. and 10:30 p.m. in Room 100 of the Lecture Center, admission \$1.25.

Sunday, March 28

A dramatic reading of "Christ in Concrete" will be presented by Theater North at 2 p.m. in Room 102 of the Lecture Center.

Dreiser College will show the film "Harpur" starring Paul Newman at 9 p.m. in the Dreiser Lounge.

Monday, March 29

English Professor Judah Stampfer will discuss "The Jewish Hippie and the Hasidic Movement" in a Hillel-sponsored talk at 8 p.m. in Harpo Marx College.

Tuesday, March 30

Dr. Peter Bretsky, Associate Professor of Earth and Space Sciences, will present an "Introduction to the Fossil Record and Evolution of Marine Life" as part of his lecture series on Darwinism at 5:30 p.m. in Room 358 of Social Sciences Building A.

Dr. Stephen Schwartz, Assistant Professor of Chemistry, will lead a chemistry colloquium on "Nitrogen Dioxide Visible Fluorescence: Two Ways to Measure a Lifetime Without Turning Off the Light" at 8 p.m. in the Chemistry Building Lecture Hall.

Wednesday, March 31

Dr. Thomas Altizer, Director of the Program in Religious Studies, will speak on "Dietrich Bonhoeffer's Discovery of a Religionless Christianity" as part of his "Contemporary Theology" lecture series at 7 p.m. in Room 101 of the Lecture Center.

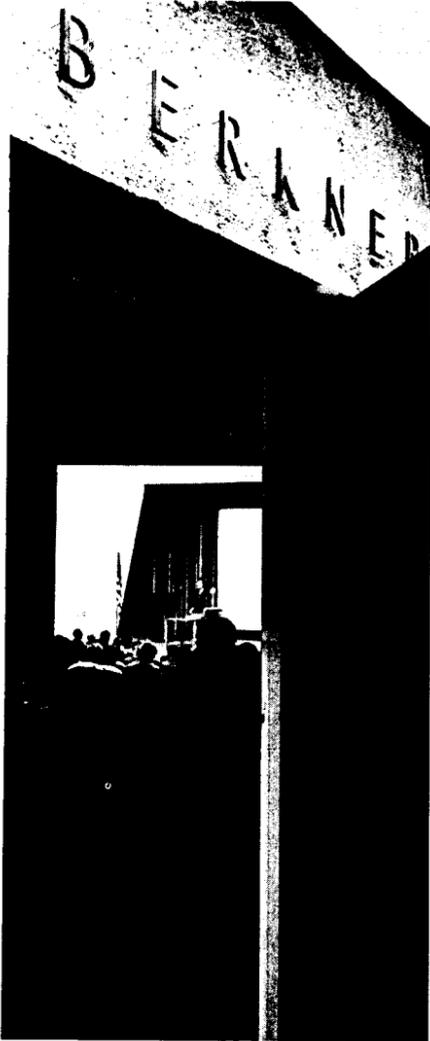
"Grooving," the third in a series of films on drugs and American social issues, will be shown at 8 p.m. in the Stony Brook Union Theatre.

O'Neill College will show the films "Day at the Races" and "On the Waterfront" at 9 p.m. in the O'Neill Lounge.

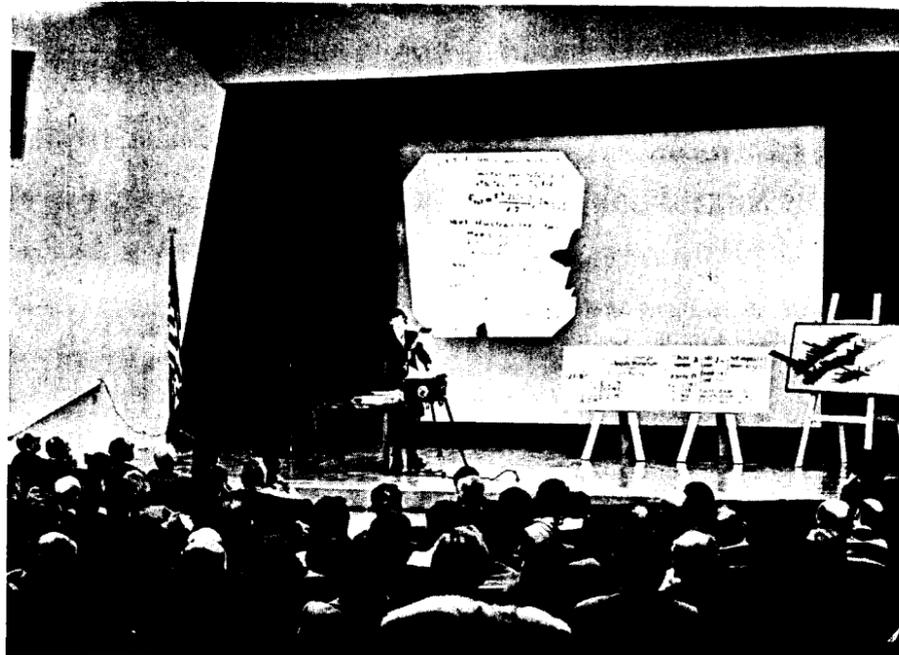
Thursday, April 1

"Knife in the Water," a prize-winning film directed by Roman Polanski, will be shown at 8:30 p.m. in Room 100 of the Lecture Center. Admission is free but tickets must be picked up between 2 and 10 p.m., Monday through Wednesday, in Room 294 of the Administration Building.

Hundredth Lecture Climaxed by Presentation



Gertrude Scharff-Goldhaber, initiating force behind the BNL Lecture Series, was honored at the conclusion of her lecture last Wednesday night by the presentation of a bouquet of roses. The presentation was made by Martin Rosenblum, Lecture Committee Chairman. Before the hundredth lecture started, Dr. Lewis Dahl spoke about some of the notable lectures in the series and recounted some humorous anecdotes. Mrs. Goldhaber was introduced by Dr. Joseph Weneser, Chairman of the Physics Department. —Humphrey



Published Weekly for the Employees of Brookhaven National Laboratory

BNL's Nursery School Plans for Next Year

From September to June by nine every morning two groups of eager little people arrive at the BERA recreation hall in the apartment area for the start of the Upton Nursery School. Three year old and four year old students enjoy play programs which allow a large variety of opportunities in art, dramatic play, music, outdoor large muscle activities and other experiences which build readiness for later work in elementary school. Both individual and group activities are supervised by professional teachers with time out taken for juice, crackers and a brief rest. At noon moms pick up proud students and art works for display at home.

The Upton Nursery School is a non-profit, self-supporting, cooperative BERA activity operated for the benefit of pre-school children of BNL employees. The School is chartered by the New York State Board of Regents. Parents of the students contribute some of their time to the School's operation so an excellent program is provided with minimal tuition fees.

Administration of the School is conducted by an executive board of elected officers with advice from committee chairmen and BERA. The entire membership

votes upon major decisions. Officers for this year are Dr. Richard Strand, Chairman; Dr. Kelvin Li, Treasurer; Mrs. Nancy Hill, Secretary; Mrs. Barbara Foley, Enrollment Chairman; Mrs. Wilma Kehl and Mrs. Jane Danby, Participating Mothers Chairmen; Mrs. Judy Haxo, Refreshments Chairmen; and Jack Bitner, Broken Equipment Chairman. Mrs. Karen Rowley and Mrs. Polly Carroll teach the four year old classes and Mrs. Renée Block and Mrs. Pat Aggus teach the three year old classes. Mothers of the students participate one day per month as the teacher's "helping mother." Two classes costing \$27 per month meet on Monday, Wednesday and Friday and two more costing \$18 per month meet on Tuesday and Thursday.

A few openings are available immediately. Enrollments for next year's classes are being accepted now. Inquiries should be directed to Mrs. Barbara Foley at 744-9682.

Selected Reading

Bull. At. Sci. 27, March 1971
Science education in India. H.L. Strauss. 10-13
Science and our understanding of ourselves. L.L. Whyte. 32-3

The language gap: Must we all speak English? M.A. Tamers. 38-40

Environment 13, March 1971
A small oil spill. M. Blumer, H.L. Sanders, J.F. Grassle and G.R. Hampson. 2-12

Sci. News 99, March 6, 1971
The greening of the American Physical Society. D.E. Thomsen. 167-8



Mrs. Polly Carroll teachers a group of youngsters enrolled in the Upton Nursery School at BNL.

Weekly Calendar

Monday, March 29

Biology Muscle Symposia *1:30 p.m., Berkner Hall, 11 Brkhvn Ave.
The Structure of Muscle: Part I. Structural Basis of Contraction Mechanism in Striated Muscle
H. Huxley, Medical Research Council, Cambridge, England

Tuesday, March 30

Medical Department Seminar 3:00 p.m., Seminar Rm., 30 Bell Ave.
Thymocyte Migration
Darrel D. Joel, D.V.M., Ph.D., Medical Dept., Brookhaven National Laboratory

Wednesday, March 31

Biology Muscle Symposia *1:30 p.m., Conf. Center Rm. "B", 11 Brkhvn Ave.
The Structure of Muscle: Part II. Assembly of Muscle Proteins
C. Cohen, Children's Cancer Research Foundation, Boston, Mass.

Chemistry Seminar 3:30 p.m., Chem. Seminar Rm., 33 Lewis Rd.
Structure and Reactivity in Hydrolysis by α -Chymotrypsin
Saul G. Cohen, Brandeis University, Waltham, Mass.

Thursday, April 1

Particle Physics Seminar 11:00 am., Sm. Seminar Rm., 20 Penn St.
A Phenomenological Study of Inclusive Reactions
L.L. Wang, Brookhaven National Laboratory

Friday, April 2

Biology Muscle Symposia *1:30 p.m., Conf. Center Rm. "B", 11 Brkhvn Ave.
The Structure of Muscle: Part III. Aspects of Regulation of Contraction
A. St. Gyorgyi, Brandeis University, Waltham, Mass.

*Note time change.

Tuesday, April 6

Physics Colloquim 3:30 p.m., Seminar Rm., 20 Penn. St.
Black Holes vs. Neutron Stars
R. Ruffini, Princeton University

Wednesday, April 7

Particle Physics Seminar 11:00 a.m., Seminar Rm., 20 Penn. St.
Experimental Program at the Rutherford Laboratory
G. Mar'ning, Rutherford Laboratory

Thursday, April 8

Joint Biology and Bio-Medical Engineers Seminar 11:00 a.m., Chem. Seminar Rm. 33 Lewis Rd.

Population Control: Progress and Expectations
W.G. Povey, Hospital of the University of Pennsylvania

Arrivals & Departures

Arrivals

None

Departures

Henry O. Ach.....Accelerator
Herbert R. Altschuler.....Accelerator
Nannette Dwyer.....Fiscal
Patricia A. Gilligan.....Purchasing
William E. Gray.....Applied Science
Dolores Ojeda.....Applied Math.
Wayne F. Robinson.....Accelerator

Two Rongs Don't Make Things Right

In these days of student demands for open dorms with 24-hour visiting rights, parents tend to worry about the safety of their daughters away at school. This same worry seems to affect residents of the Marshall Islands, as evidenced by this editorial from Micronitor, the Islands' paper.

Too much protection is dangerous

If you have a daughter attending school at the Protestant Mission school at Rong Rong you should have very little fear that she is not leading a moral and cloistered life relatively free from the dangers of early pregnancy. It has been reported to this paper that as of January of this year only three girls have had to interrupt their education because of pregnancy.

Unfortunately, the cause of this relatively high standard of 'morality' seems to be the fact that female students at Rong Rong are locked in their dorm each night from outside the building. After the dorm is locked the girls must resort to banging loudly on the door to attract a house mother for answering the call of nature. It has even been reported that a bucket for the less demanding girls is available in the dorm for night service.

Coinciding with the restrictions on the girls' movements is a school policy which states that any male - be he a teacher or a student - found within ten feet of the locked dorm will be subject to immediate dismissal from Rong Rong.

The obvious danger of such alleged caution were a fire to break out in the dorm is clear. A sad underlining of this fact is the 142 French dancers who died in a ballroom fire because the management had the doors locked from the outside to prevent gate crashers.

Micronitor is not commenting on the policy of Rong Rong's administration to provide safeguards for young girls away from their family. In fact the school has every right to establish a policy concerning this matter. This paper does comment, however, that the circumstances of the girls' protection as have been reported demand that immediate action be taken to rectify the situation. Hopefully this action will be voluntary on the part of the Rong Rong administration but if it is not then the District Public Safety Office will have some work to do.

Hospitality News

The next Hospitality Committee Tea and Sherry Party will be held on May 5, 1971. The theme, "BNL's Talented Handicrafters," will be developed by displays of handicrafts and needlework created by employees and their family members.

Please contact Terri Pittenger, 286-9471, or Liv Knudsen, 286-8175, if you wish to display some of your work.

Bowling News

Grace Fales

Red League

While the Old Timers still hold their lead on first, the Alley Cats seem determined to hold onto last place. 200 Club for the week - S. Kiss 218/207, R. Nelson 219/203, J. Ferrante 216/200, R. Wilson 230, J. Richter 219, and J. Cain 204.

Green League

Bill Kristiansen's Neutrons still hold on to a 12 point second half lead, going into the final month of bowling. High games for the week were R. Ligg 211, J. Petro 226, B. Danaher 200, B. Crockett 243/594 series, J. Scesny 219, R. Penna 204, and R. Vignato 202.

Pink League

Still a close race here, going into the last weeks of the season. Highs for the night were Grace Fales 188, Lynn Kalbach 186, Betty Jellet 183, Marge Stoeckel 170, and Ellie Murgatroyd "starred" for a 203.

Black and Blue League

The Pacesetters made a little progress in closing the gap on the first place AR's and are only 2 points back with 5 weeks to go. Ben aided the AR's with a 205/522 series, and Marge Stoeckel had a 175/472 series.

Volleyball News

Odelli Ozer

The most crucial games of the Men's League this season were held on March 10. The Spikers, after dropping their first set to the Atom Spikers, came from behind to win the next two sets taking the game 2-1.

The classical rivalry between Chemistry and the Bio-Meds was resolved in favor of the Bio-Meds 3-0.

Since the Spikers went on to defeat Chemistry 3-0 on March 17, they seem to be headed for the championship unless stopped by the much improved Bio-Meds.

In the Mixed League the Boomerangs dropped their first game to the Spikers. However, they clinched the championship by defeating the Jets and the Misfits.

All volleyball participants, including the Men's and Mixed Leagues, are invited to come to Volleyball Night to be held at the Recreation Building on Monday, April 5th, starting at 5:15 p.m.

The Committee promises a gala night with plenty of beer and refreshments and some interesting films.

Men's League	Won	Lost
Spikers	16	2
Atom Spikers	14	4
Bio-Meds	8	7
Chemistry	4	14
Charlie Browns	0	15
Mixed League		
Boomerangs	17	1
Jets	11	7
Spikers	8	10
Misfits	0	18

Gate Schedules

Main Gate

Authorized persons only may enter after 5 p.m. on regular working days, and on Saturdays, Sundays, and Laboratory holidays.

North Gate

Regular Working Days

Incoming Traffic:

7:00 a.m. - 9:30 a.m.

3:30 p.m. - 5:00 p.m.

Outgoing Traffic:

7:00 a.m. - 9:30 a.m.

3:30 p.m. - 6:30 p.m.

Other Hours: (Including Saturdays, Sundays and Laboratory Holidays)

Gate closed

South Gate

Regular Working Days

Incoming Traffic only:

7:00 a.m. - 9:00 a.m.

Outgoing Traffic only:

4:30 p.m. - 5:30 p.m.

Other Hours: (Including Saturdays, Sundays and Laboratory Holidays)

Gate closed

Announcement

The following report is now available to the Laboratory staff and to affiliates of the AEC, AUI and BNL.

BNL 50254 (T-586) Low-Temperature Adsorption of Krypton on Solid Adsorbents. E. Wirsing, Jr., L.P. Hatch, and B.F. Dodge \$3.00

Cafeteria Menu

Week Ending April 1, 1971

Friday, March 26

Manhattan Clam Chowder
Fish 'n' Chips w/Tartar Sauce .75
Grilled Chopped Beefsteak w/Onions & 1 Veg. .80
Shrimp Creole on Rice .85

Monday, March 29

Cream of Tomato Soup
Round Roast of Beef w/Gravy & 1 Veg. .85
Veal Pattie Parmigiana w/1 Veg. .85
Frankfurters w/Baked Beans .70

Tuesday March 30

Chicken & Rice Soup
Salisbury Steak w/Saute Sauce & 1 Veg. .80
Chicken Patties w/Cream Sauce & 1 Veg. .80
Pork Chop Suey on Rice .80

Wednesday, March 31

Beef Vegetable Soup
Macaroni & Cheese w/Bacon Strips .70
¼ Roast Chicken w/Stuffing, Cranberry Sauce & 1 Veg. .80
Poached Filet of Sole w/Shrimp Sauce & 1 Veg. .95

Thursday, April 1

Minestrone Soup
Pot Roast of Beef w/Veg Brown Gravy & 1 Veg. .85
Cider Basted Ham Steak w/Pineapple Ring & 1 Veg. .85
Beef Hash w/Chili Sauce & 1 Veg. .80

Rescue Annie A Hit With East End Kids

"Rescue Annie," a mannequin used by the Safety Services Office to demonstrate Heart/Lung Resuscitation techniques, was recently taken to the Mattituck Elementary School to be seen by the second graders. Unfortunately, Annie developed a leak in her inflatable body and required frequent pumping during the demonstration. Paul Edwards, who gave the demonstration, received the following letters from the students a few days later:

Thank you for coming but I bet that you had a hard time getting in here. I thout it was funny when you prest down on Rescue Annie's heart. Becuse she made a funny noes like this dup-dup-dup thats when I liked it.

Love Tim

I liked Rescue Annie. She is a beautiful doll. I also liked the movie. I hope you will get letters from the other classes.

Sincerely, Cheryl

Thank you for bring in the film for the four class's. I like the peart win you put your mouth to her mouth.

Your friend, Michael

Thank you for the film and Rescue Annie. and not to touch the ribs

Your friend, David

Rescue Annie was very nice, even if she had a hole in her. Tell her that she was a very good actor. And thank you for showing us that good movie and for doing such a very good job explaining. I think almost every one in the class learned something.

Sincerely, Maureen

I like the movie and Rescue Annie. I hope you have the hole pashted. So you can us it again. Did you get it fiks?

From, Jimmy

Thank you for bringing Rescue Annie and the film. I enjoyed it very much. I hope my heart never stops or I stop breathing. And I hope Rescue Annie's hole is all patched up.

Love, Dana

I could not see your thing becasue I was sick. I didn't nave a cold. I had a red throat and a blister in my car and a saw in my nose. On February 11 I started it. I went back 2 days and then I got it again on 18. I went back 22 again on 25. I stay home last week.

Your friend, Jimmy

Thank you for coming to show us the insides of a person. The film was good. Tahnk you for show us Rescue Annie.

What if a person fell down the stips and broch a bone insdes of him?

Love, Doug

Thank you for explaining about Rescue Annie. The move was interesting. Rescue Annie was nice even if she had a hole in her. Is it safe to put a pillow under the head?

I like your stuff you brought in on Friday, I was very interested in Rescue Annie. I did not know how to do this stuff in first grade.

Love, Paula

Thank you for showing us the film about Rescue Annie and telling us about Rescue Annie. I learned that you can breath from mouth to mouth.

Love, Nancy

Celestial Visitor?



This photograph is actually an upside down picture of a metal dome used to measure rates of diffusion of oxygen between air and water. Dr. Charles Hall of Biology is testing the device at Brookhaven before using it in research at Flax Pond. —Rosen

Classified Advertisements

Positions Available

The Brookhaven Bulletin each week will list job openings which have come to our attention and may be of interest to Lab employees. Each listing will be repeated (if still available) only once.

KEYPUNCH OPERATOR - Systems and Data Processing. Half-time, 5-9 pm.

STOCK CLERK - Parts Department, O'Keefe Chevrolet, Riverhead, New York.

CONSTRUCTION INSPECTORS (2) - Review plans and inspect placement and quality of soils, etc. Department of the Army, Secaucus, New Jersey area.

SALESMEN AND SALES MANAGERS - Connecticut General Life Insurance Company, Melville, New York.

BUILDING ENGINEER - Industrial project work engineer; contract writing. B.S. Civil Engineering, P.E. license. National Food Manufacturing Company, Melville, New York.

PROCESS SANITARY PIPING ENGINEER - Knowledge of piping engineering (problems, de-bugging, etc.). National Food Manufacturing Company, Melville, New York.

MECHANICAL ENGINEER - B.S. in mechanical engineering or experience in heat transfer. National Food Manufacturing Company, Melville, New York.

SENIOR SYSTEMS AND PROGRAMMING MANAGER - To head up all application systems and programming; converting from IBM system to new RCA-3 equipment. Hofstra University, Hempstead, New York.

FOUNDRY FOREMAN, MOLDERS AND GRINDERS - Aluminum and magnesium sand casting foundry. Rosedale Foundry Corporation, Hicksville, New York.

MARINE MECHANIC - Own tools required. Should be experienced in marine engine repair. Richie's Marina, Patchogue, New York.

CUSTODIANS - Nights. Airborne Instrument Laboratory, Deer Park, New York.

JUNIOR ACCOUNTANT - Mainly full charge book-keeping. Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.

JANITOR - Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.

JUNIOR MECHANICAL TECHNICIANS - Dayton T. Brown, Bohemia, New York.

SWITCHBOARD OPERATOR - Bayview Community Hospital, Mastic, New York.

KITCHEN WORKER - Bayview Community Hospital, Mastic, New York.

MEDICAL TECHNOLOGIST - All phases of lab work; A.A. degree required. Southampton Hospital, Southampton, New York.

ASSISTANT CHIEF ENGINEER - All phases of electrical and plumbing facilities; familiar with high power systems and air conditioning. Southampton Hospital, Southampton, New York.

SALESMEN - Full training program. Mutual of New York, Westbury, New York.

MAINTENANCE MEN - Plumbing experience. Dowling College, Oakdale, New York.

TECHNICAL PHOTOGRAPHER - Process camera. Dayton T. Brown, Bohemia, New York.

JUNIOR TECHNICIAN - Electronic. General Instrument Corporation, Hicksville, New York.

COST ACCOUNTANT - Standard job cost; Bachelor's degree and minimum five years' experience. General Instrument Corp., Hicksville, New York.

PLANT ENGINEER - Facilities engineering; semi-conductor electronics. General Instrument Corporation, Hicksville, New York.

RELIABILITY ENGINEER - Failure analysis, etc., three to five years' experience. Airborne Instrument Laboratory, Deer Park, New York.

TECHNICAL CLERK - Quality control work; familiarity with blue prints, etc. Airborne Instrument Laboratory, Deer Park, New York.

ELECTRONIC TECHNICIANS - Applied electronics laboratory. A.A. degree, RCA certificate or equivalent, Airborne Instrument Laboratory, Deer Park, New York.

AIR CONDITIONING MECHANIC - Airborne Instrument Laboratory, Deer Park, New York.

PROGRAMMERS/SYSTEMS ENGINEERS - Large-scale computer system. New York Institute of Technology, Old Westbury, New York.

KEYPUNCH OPERATOR - Alpha-numeric. Maxson Electronics, Great River, New York.

ELECTRICAL ENGINEER - Bachelor's degree or equivalent experience. Department of the Army, Secaucus, New Jersey.

CIVIL ENGINEERS - Professing engineering degree or equivalent experience. Department of the Army, Secaucus, New Jersey.

EXECUTIVE SECRETARY - To the Director. Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.

MACHINIST - Responsible for new machine shop. Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.

PUBLICATIONS TYPIST - Technical. Airborne Instrument Laboratory, Deer Park, New York.

DIGITAL ENGINEER - E.E. degree and three years' experience. Grumman Aerospace Corporation, Bethpage, New York.

SIMULATION ENGINEER - E.E. degree and two years' experience. Grumman Aerospace Corporation, Bethpage, New York.

CIRCUIT DESIGN ENGINEER - E.E. degree and two years' experience. Grumman Aerospace Corporation, Bethpage, New York.

MAINTENANCE MAN - Henry Perkins Hotel, Riverhead, New York.

SALESMAN - Prudential Insurance Company, Smithtown, New York.

SECRETARY - Maxson Electronics, Great River, New York.

PORTER - Maxson Electronics, Great River, New York.

TYPIST - Manuscript typing, five to six months job duration. American Institute of Physics, State University of New York, Stony Brook.

CLERK-TYPIST - 4-12 shift. Huntington Hospital, Huntington, New York.

PORTERS - 8-4 shift. Huntington Hospital, Huntington, New York.

MAIDS - 8-4 shift. Huntington Hospital, Huntington, New York.

TYPIST - 20 hours per week, six months job duration; technical typing. State University of New York, Stony Brook, New York.

SECRETARY/STENOGRAPHER - Temporary for approximately six months. Comprehensive Designers, Hicksville, New York.

REGISTERED NURSES - Rotating shifts. Medical Department, BNL.

PROGRAMMER/ANALYST - Bachelor's degree plus approximately three years "hands-on" programming experience. General Telephone & Electronics Laboratories, Bayside, New York.

CHEMIST - Ph.D. in physical chemistry, chemical engineering or electrochemistry. General Telephone & Electronics Laboratories, Bayside, New York.

CHEMICAL TECHNICIAN - A.A.S. in chemistry or equivalent. General Telephone & Electronics Laboratories, Bayside, New York.

TECHNICIAN - Glass research; experience in metallurgy and ceramics desirable. General Telephone & Electronics Laboratories, Bayside, New York.

LABORATORY TECHNICIAN - Plant tissue research; A.A. or A.S. or equivalent in biology or plant physiology. General Telephone & Electronics Laboratories, Bayside, New York.

PROGRAMMER - B.A. or M.A. in mathematics or computer science. General Telephone & Electronics Laboratories, Bayside, New York.

SHEETMETAL WORKERS - Dayton T. Brown, Bohemia, New York.

ELECTRO-OPTICAL TECHNICIAN - Background in lasers and electronics. General Telephone & Electronics Laboratories, Bayside, New York.

SCHEDULER - For computer operations. May involve some program de-bugging. No degree required. General Telephone & Electronics Laboratories, Bayside, New York.

ADDRESSOGRAPH OPERATOR - Full or part-time. Anthony Addressing Service, Patchogue, New York.

SALESMEN - Part-time with potential for full-time. Commission basis; no solicitation. Cutco Cutlery, Division of Alcoa; offices include Patchogue, Deer Park and Lindenhurst.

SUPERINTENDENT OF BUILDINGS AND GROUNDS - Central High School District No. 3, Merrick, New York.

SECRETARY/STENOGRAPHER - Veteran's Administration Hospital, Northport, New York.

CHIEF OF BUILDINGS ENGINEER - Maintenance, etc. Veteran's Administration Hospital, Northport, New York.

ENGINEER - Electrical systems, pipe fitting, etc. Veteran's Administration Hospital, Northport, New York.

For further information, please contact Employment Supervisor Ext. 2109 or 2513.

Autos & Auto Supplies

2 TIRES - Brand new w/w, 4 ply nylon, 8.25x14. \$25 ea. B. Lundgren, Ext. 7782.

70 MONTE CARLO - V8, auto trans, vinyl top, tinted glass, 18,00 mi, excel cond. \$3000. T.R. Brown, 878-0624.

FREE - 58 VW Microbus, 59 VW station wagon, neither in running cond. Ext. 7404, 281-7683.

59 BUICK SERVICE MANUAL - In 2 vols. \$5. Ron, Ext. 614.

64 CHEVELLE MALIBU SS - 6 cyl, auto trans, r/h, 2 dr, excel transportation, clean. \$850. Jake, Ext. 2580.

67 SUNBEAM MINX - 4 dr, auto trans, r/h, good mech & body. \$850. Jake, Ext. 2580.

70 VW BUS - 9000 + mi, excel cond, curtains, vent shades, side step, 2 new snows. \$2500. Bob, JU8-7211.

63 COUNTRY SQUIRE - V8, auto trans, ps/pb. \$350. Lundgren, Ext. 7525, 588-1566.

66 CHEVY IMPALA - 6 cyl, auto trans, ps, new brakes & shocks, excel cond. \$1000. F. Mottl, Ext. 7821.

64 CADILLAC SEDAN DE VILLE - Vinyl top, low mileage, climate control/FM leather int. Caryl, Ext. 7414.

TIRES - 7.75x14, \$5; 2 snow 7.75x14, \$5 ea; good cond. Ext. 7718.

66 MUSTANG - V8, 4 spd, new batt, good mileage, the buy of the week. Carol, Ext. 7732.

68 FORD LTD STATION WAGON - 10 psgr, ps/pb, auto trans, excel cond. \$2050. Ext. 7617.

68 GTO - Blue/white, 4 spd, new tires. \$1500. 878-0207.

REESE AXLE HITCH - W/equalizer bars. \$45. Rich, Ext. 635.

HARDTOP FOR TRIUMPH TR-4 - White fiberglass w/ wrap-around rear window & cloth lining, good cond. \$75 or best offer. S. Spark, Ext. 2442.

70 PLYMOUTH DUSTER - Hdtp, V8, bckts, w/w, 1300 mi, going into military, take over payments. Zinna, Ext. 2556, 589-4243.

70 PONTIAC EXEC - 4 dr sedan, air cond, ps/pb (disc), 20,000 mi, 2 snows + wheels, must sell. \$3000. 281-9411 after 5.

67 CHEVELLE SS396 - 325 hp, auto trans, red/blk vinyl top, ps, bckts, console, very clean. 281-7588.

2 SNOW TIRES - On Ford rims, 8.25x14, used less than 1 season, excel cond. \$25. Bill, Ext. 7121.

61 CHEVY - 4 dr hdtp, 283 auto, good cond; 63 Chevy, 4 dr sedan, 283 auto good cond. 288-3292.

63 VALIANT - 2 dr, 6 cyl, auto trans, r/h, good cond. Asking \$300. S. Marino, Ext. 7574.

66 HONDA - Very good cond, extra chrome, 8000 orig mi, new chain, tire, 305 Super Hawk. \$450 firm. Malcolm, Ext. 2117.

69 FORD GALAXIE 500 - Vinyl roof, hdtp, 390 C.I.D., ps/pb, r/h, auto trans, excel cond, 20,000 mi. \$2500. 286-0785.

62 AUSTIN HEALY CONV - New paint, good top, '64 eng. \$325. EM3-6862 after 5.

63 CADILLAC - Full pwr, excel cond. \$600. 744-6194.

65 FORD GALAXIE - 4 dr sedan, V8 std w/overdrive, r/h, ps, Equa lock differential. \$650, 286-1253 eves or weekends.

Boats & Marine Supplies

7'10" SAIL DINGHY - "Sabot," fiberglassed bottom, repainted last yr, w/anchor, new oars, & life preserver. \$90. B. Benson, Ext. 2381.

7 1/2' FLAT BOTTOM WOOD BOAT - Garvey style, seams fiberglassed, used 5 times. \$50. 281-6325 after 6.

MARINE ENGINES - 1 pr Chris Craft 130 hp 6 cyl hydraulic shift, 2:1 reduction, were F.W.C. \$400/pr. Ext. 2381, 475-5763.

OARS - 5 1/2' pr. P. McHugh, Ext. 7163.

18' CHRIS CRAFT CABIN CRUISER - Sleeps 2A + 2C, ice box, sink, 50 hp Mercury outboard, controls, 20 gal built-in tanks, full canvas. \$950. Bill, JU1-5726.

20' FIBERGLASS CRUISING SLOOP - Signet 20, sleeps 4, fully equipped, working sails, genoa & spinnaker, many extras, reasonable. Ext. 2993, 744-9436.

15' RUNABOUT - Little Dude tip trailer, 25 hp Evinrude outboard, all extras. Asking \$450. Charlie, Ext. 2340.

BEETLE CAT - Bronze bottom fastenings, hardware, 2 suits dacron sails, 1 suit cotton, many extras, excel cond. Lou, Ext. 2802.

ARKANSAS TRAVELER - 15' fiberglass, cushions, all canvas, 35 hp Johnson. Asking \$400, w/1500 lb Cox trailer \$500. Ext. 597, 286-0436.

WATER SKIIS - Used once, perf cond, dbl bindings for slalom skiing. \$20. Jeff, Ext. 476, 286-9152 after 6.

18' "CC" WOOD SAILBOAT - Hard dacron sails, hull refastened, new centerboard & trunk. \$300. Jeff, Ext. 476, 286-9152 after 6.

Miscellaneous

VACATION IN VERMONT - W/your family, sleeps 7, all conveniences. \$65/wk, May-Sept. 281-9411.

TRIKES - Sm size (12"), fair cond, \$4; lg size (16"), good cond, \$8. 732-5945.

ROTOBROIL 400 - Excel cond, w/all attachments. \$12. 732-5945.

CRIB/PLAYPEN - Portable folding wooden gate which when placed on bed makes crib or playpen, useful in home, for guests, or in travelling. \$4. 732-5945.

BABY THINGS - GE food warmer, safety gates, toidy seats, baby lamp & other misc baby things, nominally priced. 732-5945.

SCOOTER - Made from giant erector set, excel cond, additional parts to convert into car or runabout. \$6. 732-5945.

3 PC CURVED SECTIONAL - Turq, 2 glass topped tables, & 1 pole lamp. \$150. 588-6215 after 1.

PART IRISH SETTER PUPPIES - Home bred, red, look like mother who is registered full-blooded Irish Setter w/champion blood lines. 588-6155 after 5.

LEARN FRENCH IN RECORD TIME - Compl course: Institute for Language Study, 2-12" LP records plus textbook. Like new, \$4. Ext. 7386.

POLAROID MODEL 340 CAMERA - W/case & flash gun, used once, brand new cond. Orig cost \$100, price \$50. J. Dobesh, Ext. 2430.

MAPLE WOOD BABY CRADLE - Excel cond, \$25; solid silver serving tray, 12"x15", beautiful cond, \$12. Hodge, Ext. 574, 6-12 pm; JU8-7211.

2-1/2 HP MOTORS - 3 pulleys, 1 belt, 1 hook up for saw blade, 1 saw blade, 1 emory wheel, 1 bench vise. \$25 takes all. 281-8390.

GE WASHING MACHINE - Coppertone, 14 lbs. \$65. George, Ext. 565.

ELEC ADDING MACHINE - Adds, subtracts & multiplies, totals to 9 million, prints on paper roll, 2 colors, fully elec keyboard. 878-0075.

BRIDESMAID PICTURE HAT - Yellow. \$10. V. Jacobsen, Ext. 7516.

CORNING WARE - Blue cornflower pattern, asstd items, excel cond, will sell for half price. B. Dubois, 698-1433.

BLACK & DECKER ELEC LAWN MOWER - W/200' of cord, excel cond, used twice. \$75. McRae, 878-2268.

BEDRM SET - Dbl bed, mattress, dresser & night table. 277-2697.

BICYCLE - Excel, 20" stingray, boy's 3 spd, hand brakes front rear, competition orange, speedometer, much chrome. \$40. Fred, Ext. 424.

MINI BIKE - 3 1/2 hp BC 1500 Bonanza Jack Shaft, excel cond. \$75. Bill, 724-6661 after 4.

2 SPEAKERS - AR4X, fine cond. \$40 ea. H. Davis, Ext. 7165, 653-4195.

BOX SPRINGS - 2-38x74 twin size, excel cond. \$20 ea, 2/\$35. 475-1997 after 6.

HEADBOARD - Walnut bookcase type for dbl bed, good cond, \$15; rug, 6'2"x4'8", pure wool pile, burnt orange, cleaned, \$10. Hodge, Ext. 575, 6-12 pm; JU8-7211.

OFFICE DESK - Old, wooden, walnut, refinished. \$125. Kathy, Ext. 7212.

SKI RACK - Trunk lid, holds 4 pr, new this season. \$10. Bill, Ext. 7121.

16 MM SOUND MOVIE PROJECTOR - Excel cond. \$200. 281-8649.

BRIGGS & STRATTON MOTOR - 2 hp. \$20. I. Danowski, Ext. 2921.

SIBERIAN HUSKY PUPPIES - AKC reg, males, females, reasonable. 744-8787.

VOM - Transistorized Heathkit, brand new. \$17. Ext. 7166/2193.

FENCE POST METAL - 9 pcs, 5 1/2'-7'. All for \$10. J. Zahra, Ext. 7124, 727-2774 after 6.

TRAILER - '70 Apollo Solid State, fiberglass walls, plexiglass windows, screens, sleeps 6, fully equipped, refrig, prop stove, sink, excel cond. Jack, Ext. 7827.

COLEMAN CATALYTIC HEATER - 3000-5000 BTU, temp dial controlled, new, never used, burns 18-20 hrs. Hodge, JU8-7211.

MAYTAG AUTO CLOTHES WASHER - Old but runs well. \$20. 744-8449 after 5.

'67 APOLLO TRAVEL TRAILER - Sleeps 6, 3 burner stove, ice box, toilet, Reese anti-sway hitch. \$1400 firm. HR3-1456.

13'-1968 WHEEL TENT TRAILER - Sleeps 6, hdtp, toilet, self contained, sink, 3 burner stove. \$975. Bill, JU1-5726.

KAY BASS ELEC GUITAR - 1 pick up. \$20. 744-2083 after 6.

MATCHED SET - Easy washer & dryer, very good cond, reason for selling - can't use cesspool & need the space. \$100 firm. 281-8952 after 1730 hrs.

GIRL'S BICYCLE - Schwinn, age 8-12, \$8; age 5-8, \$3; girl's white ice skates, size 3, \$4; size 1, \$2; men's blk, size 8, like new, \$7. Ext. 7718.

16" EMERSON B&W TV - \$25; record player, stereo, 4 spd auto, GE, \$35. Ext. 7718.

LOUNGE & 3 SLAT BENCHES - 473-8011.

WATER FILTER - For faucets, Sears, \$3; wood easel, adjustable height, \$2. Ext. 7493.

VOGUE STITCH SEWING MACHINE - Like new, never used, buttonhole, zigzag, reverse, sews 24 diff stitich patterns. \$80. Hodge, JU8-7211.

ZENITH 23" TV - Consolette b&w, very good cond. 878-1892, 5-6.

GARAGE SALE - Many household items, 9-5 Sat, 1-5 Sun, 122 Oregon Ave, off Rt 112, Medford. 289-1614.

FAMILY RM FURNITURE - Chrome-framed, sofa, 4 arm chairs, leatherette. \$50. JU8-7989 after 6.

HEAD VECTOR SKIIS - 215 cm Nevada toe, Marker heel piece, bottoms & tops, excel cond, reasonable. Mike, Ext. 2852.

DOLLY MADISON CHAIR - Castro conv, beautiful new cond, mandarin orange. Orig \$157, asking \$100. Hodge, JU8-7211.

CRIB & MATTRESS - In good cond. \$25. 744-6174.

POLAROID NO. 250 - Perf cond, compl w/copier, extra lenses, color timer, self timer flash, many extras. B. Schubert, Ext. 7828, JU4-8492.

METROPOLITAN OPERA - 2 tickets, Parsifal-matinee, Sat Apr 3. \$10.50 ea in dress circle. Arnie, Ext. 7411.

2 DACHSHUND MALE PUPS - 1 brown, 1 blk, 5 wks old, AKC papers, Champion line. \$100 ea. L. Gibson, 234-1281.

GIRL'S SPRING COAT - Dresses, skirts, slacks, excel cond, 10-14. Orig \$5-\$25, 50¢-\$5. 924-8225.

BALDWIN B-2 - Transistor amplifier, guitar or organ, 2 channels, 15" speaker, 80 watt. \$125 firm. Ext. 597, 286-0436.

CEILING LIGHT FIXTURE - Wood w/glass, Early Americanish, 4 bulb outlets. \$15. Hodge, Ext. 574, 6-12 pm; JU8-7211.

WALNUT PORTABLE BAR - W/drop-lid, mirror back, 2 utensil drawers, excel cond. Orig \$40, asking \$25. S. Spark, Ext. 2442.

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

WADING RIVER - 3 bedrm cedar ranch on wooded acre, air cond, 16x22 fam rm w/raised hearth fireplace, appliances, w/w, 2-car garage, 2 baths, less than 1 yr, reas taxes. \$47,500. Ext. 2930, 929-6459.

EAST QUOGUE - 1/2 acre landscaped, 3 bedrm ranch, fireplace, 1 1/2 baths, panelled din rm w/built-in hutch, fam rm, appliances, full bsmt, take over existing mort at 5 1/2%. 653-4618 after 6.

Wanted

ROTO TILLER - 3.5 hp-4 hp, used & reasonable; 7'9" dinghy sailboat for beginner, reasonable. Greg, Ext. 2798.

POODLES, TERRIERS & SPANIELS - To do in my home, reasonable & reliable. Tony, 924-8225.

1/2 OR 3/4 TON PICKUP - Good mech cond, 6 cyl. Paul, Ext. 2504, 281-3634.

BOAT TRAILER - For 14' Blue Jay sailboat. Hirzel, Ext. 7526.

BABYSITTING - Will care for your children while you work, Centereach area. 588-1566.

TO RENT - Approx July 1, 3-4 bedrm house in Hauppauge, Smithtown or Stony Brook area. 234-3692.

TAXPAYERS - Federal & State income tax forms prepared in the privacy of your home or mine. 475-8330.

TREE REMOVAL - Will do tree removal, chain saw service, painting, grounds maint, etc., free estimates. Bob, 732-9517.

DEHUMIDIFIER - 15-20 pts. R. Dietz, Ext. 623, 289-1614.

USED WOODWORKING EQUIP - Drill press, table or radial saw. Ext. 528 after 6.

PETS - Going on vacation, will care for your pet by day/wk/mo, reasonable & reliable. Tony, 924-8225.

CLEANING WOMAN - 1 day/wk, reliable & trustworthy, own transportation, for working couple w/1 midteen. 475-8658 after 6.

2 TIRE RIMS - For G78-15 tires. Susskind, Ext. 2270/2200.

1 OR 2 WIDE OVAL TIRES - G-78(8.55x14). 286-8544 after 6.

HOUSE TO BUY - In Brkvhm hamlet or Shirley, 3 bedrms, din rm, full bsmt, garage, under \$20,000, no brokers. Claire, Ext. 2131, 281-8306 after 5.

Carpools

PAYING RIDER - Wants round-trip ride to Lab from E. Setauket area, 1 day/wk. J. Journo, Ext. 2479.

DRIVER WANTED - To compl old, established carpool from Patchogue. Bob, Ext. 2265.

DRIVER WANTED - To compl existing carpool from Exit 52 (or further west) on LI Expwy. Elliot, Ext. 2103.

FROM WESTBURY, HICKSVILLE OR THERE ABOUTS - Howard, Ext. 2304.

DRIVER WANTED - To compl existing carpool from Huntington. Frank, Ext. 2960.

Classified Ad Policy

Deadline is 12 noon Friday for publication the following 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 employees signature.

For Sale: Auto & Auto Supplies
 For Sale: Boats & Marine Supplies
 For Sale: Miscellaneous
 Wanted
 Carpools
 Lost & Found

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, Room 112, 40 Brookhaven Avenue.

(Name & Phone No. To Call)

Employee's Signature Life No. Ext.

Send to: Brookhaven Bulletin, 40 Brookhaven Avenue