



# BROOKHAVEN BULLETIN

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## Whale Lecture Tonight

Dr. Roger S. Payne of the Institute for Research in Animal Behavior will deliver the 15th AUI Distinguished Lecture at 8:30 p.m. tonight, Thursday, March 2, in Berkner Hall.

Dr. Payne will use color slides and sound recordings of whales to highlight his talk on Songs of Humpbacks and Finbacks, and recent field studies of the rare Right Whale.

At maturity the humpback whale is over 50 feet long and weighs several hundred thousand pounds. He is only one of the more than 25 species recorded since World War II, when sonar research and underwater listening devices led to the discovery that many species of whales are able to vocalize. A record entitled "Songs of the Humpback Whale" was produced in 1971 from recordings made by Dr. Payne with underwater microphones off the coast of Bermuda.

Dr. Payne's lecture is open to both the Laboratory staff and the public free of charge, and no tickets are required.

## Power Squadron Course For Young Boaters

New York State law requires all skippers between the ages of 10 and 15 to take and successfully complete the New York State Young Boatman's Course if they wish to operate a powerboat alone on the waters of the state.

Old Field Point Power Squadron will again sponsor the course in this area in March. The course covers the following important safety topics: equipment requirements, Government regulations, rules of the nautical road, buoys and lighthouses, safety afloat, seamanship, boat handling in rough weather, and water skiing.

The course takes four sessions of two hours each to complete and an examination is given after the final lesson. Those who pass the examination will be awarded their "Safety Certificates" which permit them to operate a motorboat without an adult on board.

The classes will be held on Saturday mornings, March 4, 11, 18, and 25, from 9 to 11 a.m. at the Port Jefferson Village Hall which is on West Broadway across the street from the town marina in Port Jefferson.

The course is absolutely free with all educational materials being furnished by the State, and parents are invited to sit in on the sessions if they so desire and space permits. Additional information may be obtained from the course chairman, William J. Museler, at 473-7534.

## Cooking Exchange Strikes Back

After months of playing it straight, the Cooking Exchange Group switches to bizarre things. For example, a good authority tells us that one of the "goodies" will be a sauerkraut cake. What? The stage is set for Thursday, March 9, from 3 to 5 p.m., in the Recreation Building in the apartment area. There is a charge of 75¢ per session for each person attending to cover the cost of recipes and for the babysitters.

If you would like additional information, please contact Terri Pittenger at 286-9471.

## Former AUI Trustee Dies At Age 72

Dr. Elmer Grimshaw Butler, the Henry Osborn Professor of Biology Emeritus at Princeton University and a former president of the American Institute of Biological Sciences, died on February 23rd in Princeton Hospital after a brief illness. He was 72 year old.

A specialist in the problems of growth and development, Dr. Butler for many years was concerned with the natural phenomenon of regeneration in various forms of animal life.

Born in Parish, N.Y., he received an A.B. degree from Syracuse University and obtained his Ph.D. at Princeton. He also held an honorary Doctor of Science degree from Syracuse.

Dr. Butler joined the Princeton faculty in 1926 and remained there until his retirement in 1968. He was the chairman of the biology department from 1934 to 1948 and directed the department in World War II when its laboratory facilities and staff were placed at the disposal of the United States Office of Scientific Research and Development.

He served at various times as the managing editor of *Journal of Experimental Zoology* and *Biological Bulletin*. He was a frequent contributor to several scientific journals.

Dr. Butler worked on a number of committees of the National Science Foundation and the National Institute of Health. He was a trustee of Associated Universities, Inc. from 1956 to 1961, and of the Marine Biological Laboratory at Woods Hole, Mass.

## The World of BNL

This week's World of Brookhaven National Laboratory will feature Dr. Garman Harbottle of Chemistry on the subject of activation analysis and archaeology. The World of Brookhaven National Laboratory is produced by the Public Relations Office and is aired every Sunday over WBLI-FM (106.1 FM dial, Patchogue) at 8:15 a.m., and over WGLI-AM (1290 AM dial, Babylon) at 11:15 p.m.

## New Program For Visiting Scientists

IBM has announced the Wallace J. Eckert Visiting Scientist Program which will begin this year with the appointment of two visiting scientists, one in astronomy or astrophysics and one in environmental science. The appointments will be for a period of one year, renewable for an additional year.

The only duty of the appointees will be to pursue their individual research at the Thomas J. Watson Research Center. The appointments are salaried with reimbursement for travel expenses and relocation expenses.

Those interested in applying may do so by sending a letter and their choice of supporting material to the Director, General Sciences Department, IBM Thomas J. Watson Research Center, Yorktown Heights, New York 10598. The closing date for receipt of applications is March 21.

The notice is posted at the Office of Scientific Personnel, 40 Brookhaven Avenue.

## Ed Hunter Does It Again



Ed Hunter of Plant Engineering & Planning proudly displays his carved model of an Old Squaw Drake in winter plumage. The Drake is carved of bass wood, with legs of copper and plastic wood, and a paint paddle for a tail. The model, which took 20 days to carve, is designed for wall mounting.

## All-Lab Seminar By Nobel Prize Winner

Andrew Fielding Huxley, winner of the 1963 Nobel Prize for physiology and medicine, will present an All-Lab Seminar, sponsored by the Medical Department, on Monday, March 20. Professor Huxley's talk on "The Origin of the Force in Striated Muscle" will be given in Berkner Hall at 3:00 p.m.

Grandson of the 19th-century biologist Thomas Henry Huxley, son of the author Leonard Huxley, and half brother of the biologist Julian Sorell Huxley and of the author Aldous Huxley, Andrew Fielding Huxley was born on November 22, 1917 in London, England. He received his M.A. at Trinity College, Cambridge, where he was later a fellow (1941-60) and director of studies (1952-60).

During World War II he did operational research for the Anti-aircraft Command and the Admiralty. After the war he was a demonstrator (1946-50), assistant director of research (1951-59), and reader in experimental biophysics (1959-60) in the department of physiology at Cambridge. In 1960 he was named Jodrell Professor of Physiology at University College, London. He was elected to the Royal Society in 1955.

Working in collaboration with the British biophysicist Alan Lloyd Hodgkin, Huxley discovered the ionic mechanism involved in excitation in the cell membrane of the peripheral nerve. In recognition of this achievement, Hodgkin and Huxley shared the 1963 Nobel Prize for medicine and physiology with Sir John Carew Eccles of the Australian National University who had extended their work to synapses.

In 1939, while in his last year at Trinity College, Huxley began working with Hodgkin on the problem of the transmission of a nerve impulse. By the introduction of a microelectrode into the giant nerve fiber of a squid, they demonstrated that Bernstein's hypothesis was true in all respects but one.

As they announced in 1951, the propagation of the nerve impulse coincides with sudden changes in the permeability of the axon membrane. In contrast to the earlier theory, however, it was found that the potential of the axon membrane does not become zero but is reversed, the interior of the cell becoming positive instead of negative. Thus the membrane does not simply "break down" and become equally permeable to all ions. Instead, at excitation the membrane becomes much more permeable to sodium ions, letting them pour into the axon and causing it to become locally more positive. This activity is self-reinforcing in that the flow of some sodium ions through the membrane allows others to follow.

In conjunction with several co-workers, Huxley also contributed to the knowledge of muscle contraction. In the late 1940's, the British physiologist Archibald Vivian Hill demonstrated that the ordinary diffusion of a chemical substance was too slow to explain the rapidity with which the contraction in the interior of a striated muscle fiber is set off. Using microelectrodes, an interference microscope of his own development, and striated muscle fibers, Huxley showed that action potentials would stimulate the contraction of the cells if the electrodes were applied to certain regions of the striations.

## Spring Season Starts at Pool

Spring is fast approaching and with that comes the start of a new season at the Swimming Pool. So prepare now to have your season pass ready to use on the very first day.

Season passes may now be purchased at the Recreation Office (9:00 a.m. - 1:00 p.m.) or at the Pool Office during its open hours beginning February 10, 1972.

The following schedule of rates and times will be in effect for the Spring Season which begins February 12th and continues through June 16th.

### Schedule

Open Weekdays Monday through Friday 12:00 noon - 1:30 p.m. Employees Only (Must have Season Pass).

5:00 p.m. - 9:30 p.m. Employees/Family/Visitors.

### Rates

#### Season Pass

Employee or Family Member \$ 5.00  
Family (Same Household) \$10.00

#### Daily Single Admission

Employee or Family Member 50¢  
Visitor 75¢

(No Single Admissions 12 noon - 1:30 p.m.)

## COUNTRY WESTERN DANCE

FRIDAY, MARCH 10, 1972

9.00 p.m. - 1.00 a.m.

AT

**BROOKHAVEN NATIONAL LABORATORY GYMNASIUM**

PRESENTED BY

**BERA Family Camping Club**

FEATURING

**HANK POELING**

AND

**THE COUNTRY BOYS**

Square Dance Caller

**Rudy Franklin**

Admission: Employee/Escort \$3.00 ea.

Visitor \$3.50 ea.

## Selected Reading

Bull. At. Sci. 28, January 1972

Mainland China's evolving nuclear deterrent. C.H. Murphy. 28-35

Science in Mainland China. B. J. Esposito. 36-45

Endeavour 31, January 1972

Thunderbolts. R.D. Hill. 3-9

Newton's library. P.E. Spargo. 29-33

Magnetic mapping of buried archaeological sites. I. Scollar. 34-40

Science 175, February 18, 1972

Ecolibrium. A. Spilhaus. 711-15

Peace through change: The risk and promise for man's future. H.H. Humphrey. 716-19

Physics with lasers: High resolution coming of age. W.D. Metz. 739-40

New Scientist 53, February 17, 1972

Nature as an engineer. G. Chedd. 383-4

PhDs should be planned. D. Metz. 386-8

New Scientist 53, February 10, 1972

Engineer into biologist. L. Wolpert talks to R. Lewin. 332-4

## Opera Tickets Available

Metropolitan Opera tickets may be purchased at the Recreation Office daily between 9:00 and 1:00.

## Cafeteria Menu Week Ending March 9, 1972

### Friday, March 3

Clam & Celery Bisque .90

Cod Crisps w/Chips .95

Roast Leg of Lamb w/Mint Jelly & 1 Veg. .95

Broiled Halibut w/Carlton Butter & 1 Veg. .95

### Monday, March 6

Tomato Soup .90

Roast Fresh Ham & 1 Veg. .90

Chicken Patties w/Giblet Gravy, Currant Jelly & 1 Veg. .90

Western Omelet w/French Fries .80

### Tuesday, March 7

Mulligatawny Soup .90

Grilled Ham w/Sausage & Pineapple & 1 Veg. .90

Creamed Chicken & Mushrooms on Noodles .90

Sauerbraten w/Potato Pancakes .90

### Wednesday, March 8

Yankee Bean Soup .85

Baked Beef Loaf w/Gravy & 1 Veg. .85

Shrimp Chow Mein on Boiled Rice w/Crisp Noodles .90

Polish Kielbasy w/Mashed Potatoes & Sauerkraut .80

### Thursday, March 9

Beef Barley Broth .80

Beef Hash w/Brown Gravy & 1 Veg. .80

Broiled Chicken Livers w/Bacon Strips & 1 Veg. .85

Baked Lasagna w/Meat Sauce & 1 Veg. .90

## Rifle & Pistol Club Meeting

The regular monthly meeting of the BNL Rifle-Pistol Club will be held at the Recreation Building on Wednesday, March 8th, at 5:10 p.m.

Discussions will be held on club contributions to conservation and ecology programs, organization and scheduling of spring and summer outdoor matches, and progress on the trap shooting range.

William H. Barnes

## Winter Wonderland



Woodland scene in fresh snow at Fahnestock Memorial Park, 55 miles north of New York City. Some folks go there to mix with thousands of others in down hill skiing. Others, fortunately not too many, go to enjoy the peace, quiet and the feeling of oneness with nature that comes in hiking through freshly fallen snow.

## Truck Passenger Safety

In the past, the Laboratory has had two potentially serious accidents involving an employee falling from the rear of a truck. As a result of these experiences, strict regulations governing the transportation of personnel in trucks have been written into the Safety Manual (See SI #14, October 1970). In spite of this, there are still reports of workers riding improperly in or on the rear or body sections of trucks.

With certain exceptions, workmen are prohibited from riding in the rear of trucks. These exceptions are:

1. When seats have been installed by the manufacturer as standard truck equipment.

2. When seats are otherwise installed which meet Laboratory safety standards and have been certified by the Plant Protection and Security Division.

3. Personnel may sit on the bed of a truck which has sides or is enclosed, provided there is no heavy cargo or equipment there which could shift and injure them. Sitting or riding on or against a tailgate is never allowed.

4. Additional exceptions may be authorized by Department Chairmen, Division Heads, or designated administrative personnel in order to cover extraordinary circumstances. Such authorization must be written, with a copy furnished to the Plant Protection and Security Division.

Falling from a vehicle, even at slow speed, can easily result in serious or fatal injury. All Laboratory employees are urged to cooperate in minimizing the possibilities of such an occurrence. Workmen should take care that they are not violating any of these safety rules. Drivers should not move any truck until they have checked to make sure these rules are complied with.

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Published Weekly for the Employees of Brookhaven National Laboratory

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## Arrivals & Departures

### Arrivals

David C. Bonar ..... Accelerator  
Bernard F. Brehm, Jr. .... P.E.P.  
Bennie L. Futch ..... P.E.P.  
Walter F. Hulak ..... Central Shops  
Alexander H. Lumpkin ..... Physics  
Shu-Wei S. Shen ..... D.A.S.  
Charles F. Vogel ..... Central Shops  
Edward H. Zellner ..... Central Shops

### Departures

Raymond F. Audet ..... P.E.P.  
Samuel I. Beale ..... Biology

## Letters To The Editor

Dear Sir:

Would it be possible for BERA to sell the 50¢ Lottery tickets on site. I know they would sell quite a few, and the profits from the sale could be put back into the BERA fund, which would benefit all employees.

Ptl. Michael McAllister

## Here and There

Claire Lamberti

J.P. Blewett and E.B. Forsyth (both Accelerator) attended a meeting of the President's Science Advisory Committee in Washington, D.C. on February 21. During a briefing on superconductivity, they presented a summary of BNL's recent study of power transmission by superconducting cables.

Lewis J. Greene (Biology) was appointed a member of the Medical and Scientific Advisory Board of the Will Rogers Memorial Fund effective January 1.

Paul W. Levy (Physics) will deliver a lecture at SUNY-Stony Brook on Wednesday, March 8 at 3:00 p.m. in Room 301 of Old Engineering Building #11; the topic of his talk will be "Defect and Color Center Formation in KCl Single Crystals Strained and Measured During Irradiation."

Robert F. Smith (Tech. Photography) attended a technical meeting of the Biological Photographic Association in Las Vegas on February 12.

William S. Hillman (Biology) recently presented a paper at the Society for Experimental Biology meeting at University College, London; his paper was entitled "Entrainment of carbon dioxide output through phytochrome in *Lemna perpusilla*."

## Gym Closes for Dance

The Gymnasium will be closed for all physical activity from Monday, March 6th through Monday, March 13th (5:00 p.m.) in order to prepare for the scheduled Country Western Dance on March 10th.

See you at the Dance.

**February Retirees**



Edwin I. Oakes, an Electrician in the Plant Engineering and Planning Division who had been working at BNL since April 21, 1969, retired on February 4.



Francesco Mignone, a Laboratory Custodian in the Plant Engineering and Planning Division, employed by BNL since March 21, 1949, retired on February 25.

**Bowling News**

Grace Fales

**Green League**

Position night results were: 1st - Sandbaggers, 2nd - Bubble Boys, and 3rd - Fireflies. Highs for the night: C. Zavesky 202, J. Scesny 205/203/599 series, and E. Meier 201.

**Pink League**

Ellie Murgatroyd 170/475 and Mary Austin 169/451 combined to move the Hopefuls out of reach in first place. Fran DeMarco helped them out by converting the 5-10 split. If they are "hopeful" of taking the second half, they are on the right track. Pat Oster 170/464 led her team, the Spares, from 4th to 2nd position. Other highs: Marie Breiner 163, and Lynn Kalbach 171.

**Black 'n' Blue Mixed League**

Lou Caisey led the guys again this week with his 200/183/526, followed by Bob Brown 181/523, Ben Belligan 205/516, Allan Diebel 513, Dick Murgatroyd 191, Ralph Taylor 184, Joe Mayeski (dreaming again) 183, hancsome Budd Pollock 182 and Phil Borzi 180.

Wilma Quinn 186/455 and Ellie Murgatroyd 182/493, decided to share the lime-light with Kit D'Ambrosio 188/488, and Helen Caisey 165/455. "Applause" to Peg Taylor who improves more each week and to Terry Van Dervoort for converting the 5-8-6-10 split.

**Stony Brook Events**

A performance by the Music Department's Chamber Orchestra, an evening of Yiddish films, and a tuba recital are among events open to the public this week at the State University of New York at Stony Brook.

**Friday, March 3**

The Music Department's Chamber Orchestra conducted by David Lawton will perform Richard Strauss' "Serenade for Winds," op. 7, and Mozart's "Concerto No. 1 in G Major (K. 313) for Flute and Orchestra." Melba Ai will be the flute soloist. After the chamber orchestra performance, students will stage Stravinsky's one-act opera, "Mavra." The Chamber Orchestra performance begins at 8:30 p.m. in Room 105 of the Lecture Center.

An exhibition of oils and acrylics by Christine Zackrone closes today in the Stony Brook Union Gallery, 10 a.m. to 5 p.m.

A display of paintings by children from the Ocean Hill-Brownsville area of New York City closes today in the Buffetaria on the second floor of the Stony Brook Union.

**Saturday, March 4**

Eugene Stutzenstein will perform works for the tuba by Persichetti and Hartley, in a recital for the Master of Music degree, at 8:30 p.m. in Room 105 of the Lecture Center.

**Sunday, March 5**

An evening of Yiddish films with subtitles will be presented by Hillel, the Jewish students organization. "The Great Advisor" and "Catskill Honeymoon" will be shown at 7:30 p.m. in Room 236 of the Stony Brook Union.

**Monday, March 6**

An exhibit of photographs by student Marcia Praeger opens today in the Stony Brook Union Art Gallery, 10 a.m. to 5 p.m. The exhibit will run through March 17.

Andrew Arato of Queens College will give a talk on "Lukacs' Concept of the Dialectic," as part of the Philosophy Department's Dialectic Thought Series. Mr. Arato is editor of "Telos," a philosophical magazine published at the State University at Buffalo. The lecture will begin at 4 p.m. in Room 183 of the Earth and Space Sciences Building.

"Logic" is the topic in philosopher David Benfield's continuing series on ancient and modern techniques of logical reasoning, beginning at 5 p.m. in Lecture Center Room 101.

**Tuesday, March 7**

The International Film and Lecture Series presents "I Am Pablo Naruda," narrated by poet Pablo Naruda and Anthony Quail in English, at 7:30 p.m. in Stage XII Dormitory Cafeteria. Commentary, "Naruda: Politics and Literature in Chile" by Professor Jaime Giordano of the Hispanic Languages Department, will follow.

Professor Francis Palmer, Provost for Educational Research and Development at Stony Brook, continues his lecture series, "Human Development: The Preschool Years," at 5 p.m. in Lecture Center Room 103.

Professor of Art Leopoldo Castedo continues his discussion of contemporary Latin American life styles, focusing on the intellectual and artistic forms, in his lecture series, "Latin American Cultural Development," at 5 p.m. in Room 150 of the Light Engineering Building.

**Wednesday, March 8**

Professor of English Martin Stevens continues his lecture series on Chaucer at 5 p.m. in Room 135 of Social Sciences Building "A," with a discussion "Chaucer's Imagery: The Friar, The Pardoner, The Shipman."

**Thursday, March 9**

The Center for Continuing Education Film Series presents, "Salt of the Earth," directed by Herman Biberman. The film is an early exploration of the struggle for equal rights and may be viewed at 8:30 p.m. in Room 100 of the Lecture Center.

Professor Paul Lauterbur will speak on "Nuclear Magnetic Resonance Spectroscopy: A Physical Method with Biological and Chemical Applications." Sponsored by the Society of Physics Students, the lecture begins at 8 p.m. in the Physics Building Lecture Hall.

Distinguished Professor of English Alfred Kazin continues his lecture series on 20th Century Literature, at 5 p.m. in Room 102 of the Light Engineering Building.

**Slo-Break Basketball**

by George Latham

We are 3 weeks behind in the basketball league standings. On Thursday, February 10th, AEC took the Tandems 44-31, the Knacks knocked off the Dirty Dozen 45-44, Personnel downed Biology 35-31 and AMD took Medical 38-36.

On Thursday, February 17th, AMD took Biology 39-34 despite Joe Abata's 19 points. Stan Samuelsen hit 13 for AMD. The Dirty Dozen downed the Tandems 56-26 behind Jim Harris who scored 36 points. Leroy James had 8 for the Tandems.

AEC defeated the Knacks 50-44. Tim Henry with 19 and Dennis Nordstrom with 13 points led the AEC attack. Bob Jansson with 15 and Ed Gill with 12 points were the high men for the Knacks. Personnel remained undefeated by taking Medical 54-26. Tony Baltz scored 17 points for Personnel, Doug Turner had 10 for Medical.

On Thursday, February 24th, AEC lost its first game of the 2nd Half to the Dirty Dozen in overtime 62-57. Jim Harris scored 30 points for the Dozen, Tim Henry and Jim Hooper had 16 apiece for AEC. The Tandems won their first game of the 2nd Half taking the Knacks 44-41. J. Smith hit 15 points for the Tandems while Lorelli and Horton had 9 each for the Knacks.

Biology won their first game of the 2nd Half taking Medical 48-37 behind Bob Costello, who scored 15 points. Doug Turner had 11 for Medical. Personnel continues to dominate the National League, downing AMD 48-31. Ed Taylor scored 12 points for Personnel, Les Lawrence had 10 for AMD.

The standings are:

Brookhaven League		
	W	L
AEC	3	1
Knacks	2	2
Dirty Dozen	2	2
Tandems	1	3
National League		
Personnel	4	0
AMD	2	2
Biology	1	3
Medical	1	3

**Soccer**

Ken Batchelor

On Friday Feb. 11th, DAS, Chemistry and Medical assured themselves of victory in the Inter-Departmental Competition by winning both of their games. In the first game against AGS, play moved quickly from end to end and AGS pulled back to tie the score three times before the victors put in two quick goals in the closing minutes. AGS then took the floor against Physics and this time was on the winning end of a 5 goals to 3 score line. DAS, Chemistry and Biology, then made certain of overall victory in the competition by beating Physics by a score of 4 goals to 1. In the remaining four weeks of indoor competition, it remains to be seen whether Physics can overhaul AGS for second place.

**DAS, Chemistry & Medical 5 vs. AGS 3**  
(Sutherland 3, Farrell 2) vs. (Pfister 2, McCafferty)

**AGS 5 vs. Physics 3**  
(Aggus 2, Pfister 2, Batchelor) vs. (Majora, Skalyo 2)

**DAS, Chemistry & Medical 4 vs. Physics 1**  
(Sutherland 2, Farrell, McCafferty) vs. (Majora)

**BERA Dance Next Friday**

Someone called the Recreation Office to find out if he would be permitted to attend next week. He was confused about the relationship between BERA and the Camping Club and thought he had to be a club member to attend. To set the record straight - He Doesn't! This dance, as well as all BERA Dances is for **All Employees**. The Committee, in this case the Camping Club, presents the Dance for all of us on behalf of BERA. They help select the band, decorate the gym and tend to other necessary committee chores.

This year's chairman, Ken Doughty, had his troops hard at work dreaming up ideas to make your evening memorable.

Last week told you of one of the door prizes - A Standing Rib Roast. In addition, at 10 - 12 p.m. we're going to give away a Stage Coach. Well, not really the genuine thing, but our version - A Transistorized Stage Coach Radio.

In addition to the free door prizes we've put together a special "Chuckwagon of Cheer" which you may purchase tickets for. A drawing will be held at midnight to identify the lucky winner.

To repeat; Country Western Dance - Friday, March 10, 1972 - Gym - Come Comfortable - Music 9:00 p.m. to 1:00 a.m. - Hank Poeling and his Country Boys - Rudy Franklin calling - BYOB - Beer, Soda, Texas Joes on sale - Ice, chips on us. - Bring friends.

You and Yours \$3.00 each  
Friends 3.50 each

**Baffa Symphony Performs In Bellport High School**

The Baffa Symphony Orchestra will perform in Bellport High School at 3 p.m. on Sunday, March 5, 1972. The program will include Copland's Fanfare for the Common Man, Bach's Brandenburg Concerto No. 3, Von Weber's Clarinet Concerto, and Scheherazade by Rimsky-Korsakoff. Tickets are available at the door. Adults \$2.00; students \$1.00.

**League Standings**

	Goal Pts				
	W	D	L	F	A
DAS, Chem., Med.	13	2	1	55	29 28
AGS	6	1	9	26	53 13
Physics	3	1	12	38	37 7

**Leading Scorers:** Farrell 16, Sutherland 14, Meyers 13, Batchelor 12, Strayer 10.

On Tuesday, 15th February, BNL entertained Patchogue in a six side game in the gymnasium and were victors by a score of 12 goals to 10. The game was played in four equal 15 minute periods and after the first of these the fast moving Patchogue team led by 6 goals to 4. In the second period BNL came back and at half time was in arrears by 8 goals to 7. The third period saw BNL continue at a steady pace and after several near misses at both ends the quarter ended with the score tied at 9 goals each. BNL continued their steady play in the first part of the final quarter and mid way through this period the score stood at 10 goals each. Then in the final few minutes the BNL team took control of the game and scored 2 quick goals to give them the victory.

**BNL 12 vs. Patchogue 10**  
(Aggus 2, Batchelor 4, Pfister 3, Chen 2, McCafferty 1)

## Film Service Office

The Film Service Office, formerly situated at the east end of the Gymnasium complex has been moved to the west office where Recreation was. The hours and telephone extension will remain the same. Weekdays from 9 a.m. to 3 p.m., Ext. 7221.

## The Best Time to File Says IRS — EARLY!

Refund checks are less likely to be delayed when tax returns are filed early, the Internal Revenue Service says.

IRS urges taxpayers to send their tax returns in now if they have not already done so. It will help taxpayers to get their refunds sooner.

The IRS refunded over \$857 million to New York area taxpayers last year.

IRS reminds taxpayers to use the pre-addressed name label which came with the tax package containing the Form 1040. By placing this label on the 1040 form which is filed, it will expedite processing.

Returns for New Yorkers should be sent to the Service Center, Andover, Mass. in the envelope provided.

## Jazz At The Center

The Isotope Stompers, a jazz group formed from staff members and friends of Brookhaven National Laboratory, play for your cocktail hour enjoyment each Monday evening at the Brookhaven Center. The music starts at 5:30 and continues till 8 p.m. The bar at the Center opens at 5 p.m.

## 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.

EXPEDITOR - Purchasing Division.

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

### Autos & Auto Supplies

68 SAAB SEDAN - 2 cycle, 34,000 mi, 1 owner. \$700. 589-2884.

CAR RADIO - AM, 1 yr old, very good cond. Pat, 584-7050 after 6.

3 - 8.55x15 W/W - 1 excel, 2 fair. \$20. JU1-1587 after 6.

62 CHEVROLET - Runs, \$25 takes it away; 66 Olds 98 Town Sedan, auto trans, air cond, ps/pb, new trans, \$600. S.M. Shapiro, Ext. 7606, 929-6527 eves.

2 SHOP MANUALS - 55 & 56 Chevy. Both/\$3. A. Roy, Ext. 560.

69 CHEVROLET IMPALA - V8, ps, 45,000 mi, r/h, vinyl roof, good cond. Henry, 727-3830 after 6.

69 PORSCHE 912 - 5 spd, 28,000 mi, chrome wheels, am/fm, red. \$3950. M. Dohrman, 473-2614.

70 CAMARO - White/blk vinyl top, V8, auto trans, ps, w/w, excel cond. 475-4787 after 5.

68 MUSTANG - Yellow/blk int, 6 cyl, 3 spd, r/h, w/w, snows, squeaky clean. Worth call to Joe at 475-6214.

69 LTD COUNTRY SQUIRE - 9 psgr wagon, ps/pb, auto trans, r/h, remote control mirror, pwr rear window. \$2200. W. Powell, Ext. 567.

CHAINS - 8.25x14, used once, \$10. Olson, Ext. 441, 289-8629.

68 OLDS TORONADO - Fully equipped, vinyl top, new tires & snows. \$1700. Singer, Ext. 455.

62/65 CORVAIR MONZA - Both/\$35; 62 has rebuilt 4 spd trans, bad eng; 65 bad flywheel. Ext. 2265.

71 VW BUG - Green, 17,500 mi, excel cond, 4 extra new tires. Asking \$1550. J. Francis, 588-7631.

61 JEEP WAGON - Immaculate, 4 w/d, Warner locking hubs, excel rubber, 3 sets tires, no rust, must be seen. 929-6398 after 6.

69 OLDS CUTLASS "S" - 350 V8, ps, r/h, w/w, bckts, gauges, 4 spd, new rubber on front, excel cond. \$1795. 929-6398 eves.

70 TOYOTA COROLLA STATION WAGON - 4 spd, 30 mpg, over \$1000 in extra equipment incl air cond, alarm system, radial tires, am/fm radio, must sell. \$1500. 928-1984 eves.

65 SUNBEAM IMP - Good cond, new batt, just inspected. \$250. J. Davis, Ext. 2522.

64 OLDS VISTA CRUISER - 30,000 mi on eng & trans, very good cond. \$500. 289-8236 after 6.

71 VOLVO 142E - AC, fuel inject, radials, rallye dash, FM. \$3200. 751-6693 after 6.

60 PONTIAC - 4 dr hdtp ps/pb. \$100. Lou, Ext. 309.

65 CHEVY - 2 dr sedan, 283 V8, std shift, o/d. \$300. Ext. 7525.

69 CHEVY CONV - Ps/pb, air cond, 4 new polyglas tires, like new. Carsten, Ext. 2893.

64 DART WAGON - 270 series, dependable 2nd car, 4 dr, new auto trans, ps. \$250. E.W. Anderson, Ext. 2835/7654, 289-0742.

70 MUSTANG MARK I - 351 eng, 4 spd trans, loaded w/extras, orig owner, 10,000 mi, showrm cond, must be seen. Ext. 591.

VW RIMS - Good cond. Both for \$7.50. Jeanne, Ext. 7637.

### Boats & Marine Supplies

SAILBOAT - Fiberglass Aqua Cat. \$300. RA8-2553.

33 HP EVINRUDE 1966 - Manual start, 1 tank, w/controls, A-1 shape. Hank, Ext. 2221.

9 1/2' SAILING DINGHY - Fiberglass hull, alum mast, excel for learning sailing. H. Davis, Ext. 7165, 286-9788.

26' BOAT TRAILER - Tandem wheels. \$200. 273-4575 eves.

16' ELTRO - Fully equipped, A-1, w/71-80 hp Merc w/trailer. 286-9126.

12' LARSON ALUM BOAT - W/Cox trailer. \$150. S. Kochis, 744-5445.

PALMER 4 CYL MARINE MOTOR - 16-20 hp. \$150. 286-0682 after 6.

30' GAILBRATH - Fly Bridge 1968, 265 Palmer FWC, monel tanks, outriggers, cedar hull, oak frame. \$3950. 273-4575 eves.

7 1/2 HP SCOTT ATWATER - New points, plugs, wires, water pump & housing, tank & hose, runs well. Ken, Ext. 7638.

28' LAPSTRAKE SKIFF - Good family boat, needs little eng work, price open. Brooks, 475-8406.

20' FIBERGLASS CRUISING SLOOP - Sleeps 4, 4 sails, winches, fully equipped, low price. Ext. 2993, 744-9436.

### Miscellaneous

PLYMOUTH GLASS LINE TANK - 40 gal, \$35; 3/4 hp motor, Sears 30, \$40; both used 6 mos. Bill, 286-8524.

2 TICKETS/\$5 - Semi finals Golden Gloves Bout, Madison Sq Garden, 3/16/72-8 p.m. Ann, Ext. 2819.

BICYCLE - English racer, 26", 3 spd, good cond. \$30. Steve, 286-0534.

AUTHENTIC COPY - Of colonial trestle table, 35"x90", excel cond. \$100. Ext. 7420.

NIGHT TABLE - Antique cherry, 21"x19". Ext. 7420.

TRAVEL TRAILER - 1968 Coachman, 15', fully equipped, needs some work. Charlie, Ext. 7558.

RADIOS - AM & FM, missing batt compartment covers. \$10. Ken, Ext. 7668.

SIAMESE KITTEN - Choc/Seal, male, 3 mos. Georgia, Ext. 2186, 286-8869.

POOL TABLE - Brunswick, 1" slate, subways, excel cond. \$400. Ken, Ext. 7668.

SEARS PING PONG TABLE - 1 yr old. \$25. 475-0037.

12 GA LEE LOADER - Plus wad guide & 8 fold crimp starter, \$4; Lee powder measure kit, \$2. L. Blum, Ext. 7782.

20 GA REMINGTON - #-.23678 power piston wads. 900/\$4.50. L. Blum, Ext. 7782.

METROPOLITAN OPERA TICKETS - Fidelio, 3/20-8 pm, 3 tickets. Discount, \$2.50 ea. Ben, Ext. 2585.

TAPPAN 30" ELEC RANGE - Auto start/stop oven control, needs broiler element, otherwise in good cond. \$65. G. Schiro, Ext. 2171, 286-8234 after 6.

COFFEE TABLE - Thomasville, mediterranean style, pecan, good cond, 60"x25", ht 16". 286-8512.

TYPEWRITER - Baby Hermes portable, in good cond. \$21. I. Steele, Ext. 7206.

B & W TV RCA 18" portable. \$20. Ext. 7703.

10 SPD RACING BIKE - Excel cond, w/foot straps, rack, giant saddle bag, air pump. \$60. Huszagh, Ext. 2236, HR2-1243 after 6.

16 MM SOUND MOVIE PROJECTOR - Just back from being lubricated & adjusted. \$125. J. Klein, Ext. 439.

STOVE MONOGRAM - 8 burner; sink Youngstown, dbl drain w/cabinet. 475-1453 after 5:30.

SHEPHERD MIX - Checked by Vet, approx 6 mos old, female, healthy, vaccinated. G. Kiriokos, Ext. 2965, 732-3623.

OAK FIREPLACE LOGS - Custom cut, split, delivered, & stacked, well seasoned. Ken, 289-8212 eves.

BUILT-RITE CARRIAGE - Very good cond. S. Kochis, 744-5445.

HAMMARLUND HQ170 REC - W/Ameco 144 mhz conv & rf preamp, HY-gains 14 avq vert ant 10-40 meters, all excel cond. \$350. Ext. 2304, HR2-1875.

TV - Channel selector needs adjustment, \$10; hard hood hair dryer, \$10. Mike, Ext. 2996; Carolyn, Ext. 2784.

14" CIR CROSS CUT SAW - 1" arbor & shaft; 2 pillow block bearings; 3 drive pulleys. \$10/all. F. J. Keute, Ext. 2580, 475-2287 eves.

1 ELEC GUITAR - \$50; microphone, \$8; Jayco HO tracks, over 30', like new, BB gun, \$18; lg tropical fish; also tires. 878-2486.

AKC ENGLISH POINTER PUPS - Champion sired, excel for hunting & show. 924-8547 after 6.

4 PC DRUM SET - Like new, just put on all new heads, \$175; 1 yr old elec guitar, \$50; Urica elec broom, \$10. 878-2486.

KELVINATOR REFRIG - Freezer on bottom. \$25 or best offer. 744-3807.

MINI BIKE - 3 hp Techumseh eng, excel cond. 286-3363 after 5:30.

GIRL'S WINTER COAT - Pile lined w/hood, size 14, worn once. \$12. Sharon, 281-4140.

CLOCKS - All types cleaned, oiled or overhauled, free estimates & advice. J. Davis, Ext. 2522.

35,000 BTU GAS SPACE HEATER - \$25. Don, 286-1205.

MOVIE CAMERA - M-16 Kodak Instamatic, used twice, in perf cond, best offer. A. Anger, Ext. 448, 289-5730.

TRYING TO FORM CLASS - In scuba diving, on site. For lessons, call Hank, Ext. 2221.

SLED - Vintage 1945, good cond, could use paint. \$4. W. Sapp, Ext. 2948.

70 TRAILER - 18', sleeps 6, stall shower, gas stove & oven, refrig, gas or elec, many extras. \$2800. 281-8044 after 5.

EUREKA VACUUM CLEANER - Used, w/all attachments, \$10; Hoover (Lark) elec broom, \$10. 286-8521.

EISENHOWER PROOF SILVER DOLLAR - In orig mint wrapping. Ext. 2725.

WINCHESTER LEVER ACTION CARBINE - 22 cal w/case, in brand new cond. \$50. B. Barnes, Ext. 2392.

CLOTHES DRYER - Whirlpool. \$25. 981-1981.

SLIDE TRAYS - 18 Argus 60 & 8 Argus 80, like new. \$20 or will sell separately. 744-5553.

TAPE DECK - 8 track FM stereo multiplex, new for auto. Lundgren, Ext. 7526, 585-3794.

23" B&W TV - Silvertone walnut console. \$30. Ext. 7637, 286-1290 eves.

LADIES' FIGURE ICE SKATES - Excel cond, size 5. \$10. Liliane, Ext. 2180, 744-5219 eves.

MANUAL TYPEWRITER - Portable Smith-Corona, excel cond. \$20. Richard, Ext. 7733, 744-5219 eves.

PORTABLE STEREO - W/AM-FM radio, good working cond. \$40. Richard, Ext. 7733, 744-5219.

RUBBER TREE - 5' high in clay pot, 2 stems, luxurious foliage (2 new leaves per week). \$25. Liliane, Ext. 2180, 744-5219 eves.

### 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

OLD HOME & COTTAGE - Hamlet of Brkhvn, 2-story, 3 bedrm house, 2 bedrm cottage, all on 1/2 acre plus lot. 286-3451.

SOUTH HAVEN - 2000 sq ft center hall colonial, 4 bedrms, 2 baths, 17x25 liv rm w/lg fireplace, study, screened porch, din rm, full bsmt, 3/4 acre wooded, landscaped, 6% mort. \$37,000. 286-9602.

CENTER MORICHES - 1/2 acre corner plot, 4 blocks to beach. Lundgren, Ext. 7525, 585-3794.

### For Rent

QUAINT COTTAGE - 2 bedrms, gas heat, prefer couple or single gentleman, no animals. \$160/mo. w/o util. 286-3451.

FURN APT - Gentleman, 5 min from Lab, pvt entrance, all util. 281-8044 after 5.

### Wanted

SUNFISH - Fiberglass, w/wo trailer. B. Museler, Ext. 7676.

SAWS TO SHARPEN - Also knives, carbides, skates. Ken, Ext. 7668.

1 MILK CAN - 30 gal, for Boy Scouts of Troop 224 Selden. Ext. 2170.

TRAVELERS BY AIR & SEA - Lee, 472-0658 after 6.

CUB SCOUT UNIFORM - Boy's size 8. 475-0037.

HANDYMAN - Plumbing, carpentry, painting, lawn mower repair, paneling, etc. Paul, 698-1227.

TREE REMOVAL & CHAINSAW WORK - Also light hauling. Ken, 289-8212 eves.

1 BROWNIE UNIFORM - Size 8. C. Watson, 929-4413.

TROPICAL FISH SUPPLIES - Cond unimportant, price reasonable or free, tanks a lot. M. Strongson, Ext. 2727.

HOME - For male 1 yr old German Shepherd, pedigree - no papers. Mrs. King, 475-2118.

SLIDE PROJECTOR - 35 mm, preferably inexpensive. W. Sapp, Ext. 2948.

2-26" ENGLISH RACER BICYCLES - 3 spds, 1 male, 1 female, good cond. Ext. 2912.

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

### Carpools

DRIVER WANTED - From Meadow Rd area, Smith-town-Kings Park. Ext. 461.

DRIVER WANTED - To compl existing carpool from Bayport-Blue Point area. Lee, Ext. 2349.

WISH TO START CARPOOL - From Pt Jeff area. Ken, Ext. 2581/2141.

### Classified Ad Policy

#### Deadline is 12 noon Friday for publication the following week.

- The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
- All items for sale or rent must be the advertiser's property.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Firearms offered for sale or trade may not be brought on site.
- Ads not carried because of space restrictions will be held for publication in the next issue.
- Ads are run only once and must be resubmitted if they are to be repeated.
- 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  Wanted  
 For Sale: Boats & Marine Supplies  Carpools  
 For Sale: Miscellaneous  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