



## A 2½ Hour Spectacle – Eclipse Due Saturday 96% Of Sun Covered

If the weatherman cooperates, and the cloud cover is not too thick, Long Island residents will be treated to a 2½-hour solar spectacle on Saturday that will not be repeated in this area again until the year 2024.

While Long Islanders will not be in the area of totality for this eclipse, those on the eastern end of the Island will be close enough to see more than 96% of the sun's surface blotted out by the passage of the moon in front of it.

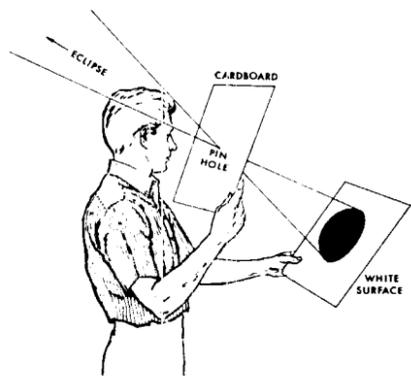
The 2,160-mile diameter moon will start to cover the 864,000-mile diameter sun at 12:26 p.m. and reach the maximum point of 96% coverage at 1:43 p.m. The sun will be fully uncovered again by 2:55 p.m. when the moon has moved past the sun's face.

On Saturday, the viewer should look to the southwest to see the approaching lunar shadow, appearing like a great storm on the horizon. As it approaches it will appear to widen, filling more and more of the southwestern sky. It can be seen best if it passes over the clouds to the north or south of the observer. Clouds will take on a yellowish-tan color, merging to reddish amber at the shadow edge. The edge itself will be diffuse and of a deep amber color, changing to slate, violet, or gray deeper in the shadow. Moving at some 1,500 miles per hour, the shadow will bear down on the observer like some mighty wall of darkness, and at the onset of totality will engulf him like a curtain of fog. In the last few seconds of the partial phase, the shadow may even be seen moving across the ground, especially if the observer is high enough above the surrounding terrain.

While viewing the eclipse can be fascinating and educational, it can also be dangerous. According to the National Society for the Prevention of Blindness:

1. Damage to the eyes from eclipse-watching involves burning the retina.
2. You can't tell when such damage is taking place because the retina is insensitive to pain.
3. The damage produces a blank spot on an individual's field of vision – at the vital area used for reading and fine seeing.
4. The damage is permanent – incurable.
5. No sunglasses, smoked glass, or photographic film is absolutely safe. Though they may eliminate the glare they do not block infra-red rays that can also cause damaging burns.

The solution given by both organizations is to avoid direct observation of the sun in eclipse. The American Association of Ophthalmology has said:



"You can see the eclipse better by not watching it. Instead do what the experts do – watch the image of the eclipse by using a pinhole device. A projector for use in watching the eclipse may be made with two pieces of white cardboard. A pinhole or pencil hole in the top cardboard will project and focus the image of the eclipse on the second cardboard. Size of the image may be changed by altering distance between cardboards. Do not look at the sun through the pinhole."

### Longwood Adult Ed

Brochures describing the evening adult education program at Longwood High School are now available at the Office of Scientific Personnel, 40 Brookhaven Ave. Classes begin March 2nd.



## Siegelman Named Biology Chairman

Dr. H.W. Siegelman, Acting Chairman of BNL's Biology Department since September 1969, was named Chairman of the Biology Department effective March 1.

Dr. Siegelman, born and educated in California, received his BS in 1942 from the University of California, Berkeley and his MS and PhD from the University of California, Los Angeles, in 1947 and 1951.

Before coming to Brookhaven in 1965, he was associated with the United States Department of Agriculture as a Horticulturist and Plant Physiologist. He is a member of Sigma Xi and the Phi Sigma, and also holds membership in the American Chemical Society, the Biochemical Society, the American Society of Biological Chemists, the American Society of Plant Physiologists, and the American Institute of Biological Sciences.

In the field of research, Dr. Siegelman, a plant biochemist, has been primarily interested in plant photobiology with emphasis on the chemistry of chromoprotein photoreceptors of plants.

Dr. Siegelman and his wife Anne, live in Stony Brook with their two children, a daughter, Lynn and a son, Richard.

## Cytologist Lectures

George E. Palade, Professor of Cytology, Rockefeller University, New York, presented a Seminar entitled, "Biosynthesis of Cell Membranes," on Tuesday, March 3 in the Medical Department Seminar Room.

If any single man can be credited for the explosive growth of modern cytology, that man is probably George E. Palade. His contributions include the introduction of the microtome and fixation for electron microscopy of tissues; the isolation and definition of intracellular organelles; and, more important, the development of an entire school of disciples. Dr. Palade had given one of the first exciting Seminars when the Medical Department was housed in barracks. On Tuesday he discussed his newest contributions, namely on the mechanisms by which cellular membranes are synthesized by living cells.



The oldest sample of man-made carbon-14, the most useful of the radioisotopes, is examined by one of the discoverers, Dr. Martin Kamen (left), and by Dr. Edwin M. McMillan, Nobel Laureate and Director of the University of California Lawrence Radiation Laboratory, Berkeley. The sample was made by Dr. Kamen and the late Dr. Samuel Ruben 30 years ago when the radioisotope was discovered by the two scientists with the primitive 37-inch cyclotron in the Berkeley laboratory. A trace of carbon-14 is in a powdery chemical (barium carbonate) at the bottom of the bottle. The half-life of the isotope is 5700 years, so only a tiny fraction has deteriorated.

# Layoff Of Lab Employees Confirmed By Director

In a memorandum to all employees issued last Thursday by Laboratory Director Maurice Goldhaber, it was confirmed that budget reductions for the coming fiscal year would necessitate the layoff of approximately 250 Lab employees.

Dr. Goldhaber expressed regrets at having to take this action and said, "I shall continue efforts for the restoration of funds. In the meantime we are examining ways to minimize the impact of these developments on our people and our programs, and to give every possible assistance to those who are affected."

## C-14 Discovered Thirty Years Ago

Carbon-14, the radioisotope often valued in human benefits as being worth man's total investment in atomic energy, was born 30 years ago in a bombardment with the primitive 37-inch cyclotron at the University of California, Berkeley.

Friday, the 30th anniversary, Dr. Edwin M. McMillan, Director of the Lawrence Radiation Laboratory (LRL) announced that a valuable relic of the 1940 experiments – the oldest existing sample of man-made carbon-14 – has been unearthed and will be preserved for historical purposes.

In the last 25 intervening years carbon-14, produced in quantity in nuclear reactors and widely distributed by the Atomic Energy Commission, has revolutionized man's knowledge of living systems, including himself.

Carbon-14 has been the indispensable tool for "seeing" otherwise unobservable dynamic life processes. With carbon-14, scientists have unraveled the genetic code, shown how the body makes such substances as cholesterol and defined the structure of RNA, DNA and other key life molecules.

The chemistry of the photosynthetic process plants use to build the world's basic foods – sugars, carbohydrates, proteins, etc. – has been revealed primarily with carbon-14. It has brought large benefits to industry, agriculture and medicine, and shed new light on the history of human culture through the carbon dating method.

The radioisotope was discovered by Dr. Martin Kamen, now a professor of chemistry at the University of California, San Diego, and the late Dr. Samuel Ruben.

Dr. Kamen recalls that as a graduate student at the University of Chicago in 1936, he and other scientists elsewhere had been attempting to identify the isotope by means of tracks in a cloud chamber.

One method was to direct alpha particles and neutrons at a cloud chamber containing nitrogen. In such experiments, especially by Dr. Maurice Goldhaber, now director of Brookhaven National Laboratory, and W.E. Burcham, it was deduced that tracks attributable to carbon-14 could be observed after a neutron collision with

(Continued on Page 2)

The reductions in staff, scheduled to take place during the months of April and June, will involve approximately 100 employees in the Department of Applied Science and approximately 150 from other Departments and Divisions of the Laboratory. Individual notices to those employees in the April group will be distributed on March 19.

Details of the Laboratory policy on Lay-off pay are found on page 1 of section 5 of the Supervisors Personnel Manual. Highlights of the policy are as follows:

"In the event of a discharge for cause or a layoff due to a reduction in force, the Laboratory will treat members of the scientific staff in accordance with the scientific appointment policy."

"The Laboratory will provide severance pay to all other regular, full-time employees in cases of layoff due to reduction in force, and may provide termination pay in cases of discharge."

Severance pay for layoff of both weekly and monthly employees is based on prior continuous service. For weekly employees the maximum severance pay is 52 days.

However, a weekly wage employee with sufficient prior continuous service to be entitled to receive 52 days' severance pay, upon being laid off for 52 consecutive working days without gainful employment, may receive one-half week's pay for each additional consecutive week of unemployment thereafter, up to a maximum period of four additional weeks.

For those on the monthly payroll, the maximum will be 3 months of base pay.

The following information has been distributed as a guide line for effecting the reduction.

Monthly Employees within a unit affected by the reduction in force in a department shall be retained on the basis of length of continuous Laboratory service, performance, and overall needs of the Laboratory's programs.

Non-Bargaining Unit Weekly Employees within a unit affected by the reduction in force in a department who are qualified to perform the remaining available work within the unit shall be retained in order of length of continuous Laboratory service, with the least senior employee being laid off first.

Reduction in force among bargaining unit employees shall be in accordance with provisions of the bargaining agreements.

At the discretion of the department chairman an employee who voluntarily terminates will be eligible for severance pay provided his termination results in the retention of an employee who otherwise would have been laid off.

Preferential consideration will be given to laid off employees who are qualified to fill Laboratory positions that become available following the reduction.

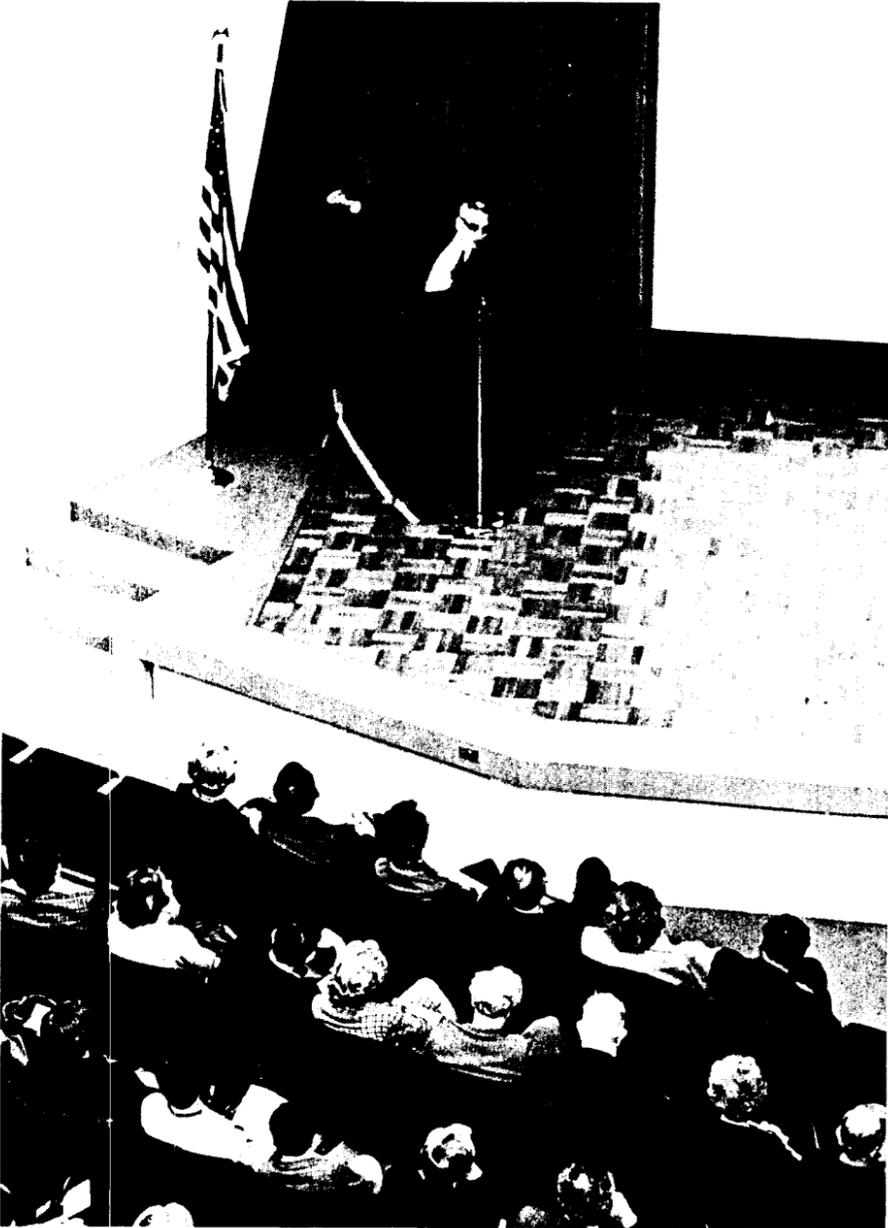
Personnel is preparing for each affected employee a folder containing information about insurance and other Lab benefits as well as job relocation information. Job openings that come to the attention of the Laboratory Personnel Offices will be published in the *Brookhaven Bulletin* each week until further notice.

### Movie Tomorrow

A forty minute color movie produced by the British Broadcasting Corporation will be shown in Berkner Hall on Friday, March 6 at 1 p.m.

The film, titled "CERN Horizons," gives a general look at the research activities at the European Organization for Nuclear Research near Geneva, Switzerland.

**Weinberg Proposes Environmental Labs**



Alvin M. Weinberg, Eleventh AUI Distinguished Lecturer, addressed an audience of 350 last Thursday in Berkner Hall. The title of Dr. Weinberg's talk was "National Environmental Laboratories?" During the course of the lecture Dr. Weinberg pointed out the many ways that National Laboratories have been and could be involved in research on ways to improve the national environment. —Humphrey



Dr. R.C. Anderson, (right) who acted as host to Dr. Alvin Weinberg, discusses slides and seating arrangements with the lecturer.



Dr. Weinberg (left), was introduced to the lecture audience by Laboratory Director Dr. Maurice Goldhaber.



A reporter questions Dr. Weinberg and Physics Department Chairman Ronald Rau after the conclusion of the lecture.

**Hearing Scheduled On Shoreham Atomic Plant**

The Atomic Energy Commission has scheduled a public hearing March 31, 1970, at Rocky Point to consider the application of Long Island Lighting Company for a permit to build a nuclear power plant in Shoreham.

The hearing will begin at 10 a.m. in the Auditorium of the Joseph A. Edgar School, Route 25A, Rocky Point. It will be conducted by an Atomic Safety and Licensing Board appointed by the Commission. Members of the board are Dr. A. Dixon Callihan, Union Carbide Corporation, Oak Ridge, Tennessee; Dr. Hugh C. Paxton, Los Alamos Scientific Laboratory and Jack M. Campbell, a Santa Fe, New Mexico, attorney. Mr. Campbell will be chairman of the board. Dr. John C. Geyer, the Johns Hopkins University, Baltimore, has been named alternate technical member and James P. Gleason, a Washington, D.C. attorney, as alternate chairman.

A prehearing will be held at the same location beginning at 10 a.m. on Friday, March 13.

Long Island Lighting Company has applied for a permit to build the proposed Shoreham Nuclear Power Station Unit 1 at a site just north of Brookhaven National Laboratory. As proposed, the plant will use a boiling water reactor and will have a net electrical output of approximately 819,000 kilowatts. General Electric Company will furnish the nuclear steam supply system and turbine generator. Stone & Webster Engineering Corporation will design and construct the plant.

Copies of a safety evaluation of the proposed plant by the AEC Regulatory Staff will be available for inspection at the Joseph A. Edgar School. Copies may be obtained by writing to the Director, Division of Reactor Licensing, U.S. Atomic Energy Commission, Washington, D.C. 20545.

**Here and There**

Claire Lamberti

**Richard M. Powers** (formerly DAS) was the inventor of "Anti-seizing Surfaces" for which U.S. Patent No. 3,496,030 was awarded to the AEC on February 17.

**R.L. Chase** (I & HP) served as Chairman of the Program Committee for the Scintillation and Semiconductor Counter Symposium, held at the Shoreham Hotel in Washington, D.C.

**Gaylord Wall**, Hazards Engineer and **Paul Edwards**, Fire and Safety Specialist (both of I & HP) have recently completed a one-week intensified course in "Fundamentals of Safety" given by the National Safety Council.

**Garman Harbottle** (Chemistry) served as external examiner for Ph.D. candidate Mr. S.C. Srinivasan of Carleton University, Ottawa.

**Joel S. O'Connor** (Biology) presented a paper on "A Comparison of the Shore-Zone Fishes From Naturally-Vegetated and Sand-Filled Bottoms of Great South Bay, New York" at the Northeast Fish and Wildlife Conference, in Wilmington, Delaware, January 26-27.

**Basic Seamanship Offered**

The U.S. Coast Guard Auxiliary, Flotilla 12, Patchogue, will offer an 8 lesson course in Basic Seamanship and Small Boat Handling, beginning March 9, 1970. The classes will be held from 8 to 10 p.m. each Monday night at the Suffolk Boat Club on Crescent Street in Patchogue.

This course is intended for adults who would like some basic training in boating, particularly for those who have recently begun the sport. Wives are encouraged to attend with their husbands. There will be only a nominal charge to cover the cost of materials. Students who successfully complete the training will be awarded a Coast Guard Auxiliary Certificate. For further information please contact Vance L. Sailor, Ext. 541 or GR 5-9294.

**Cafeteria Menu**

**Week Ending March 12, 1970**

<b>Friday, March 6</b>	
Old Fashioned Clam Chowder	
Fish N' Chips/Tartar Sauce	.65
Flank Steak/Barbecued Sauce	.65
Shrimp Chow Mein on Crisp Noodles	.75
<b>Monday, March 9</b>	
Chicken Chowder	
¼ Roast Stuffed Chicken	.65
Breaded Pork Chop/Apple Sauce	.65
Macaroni and Chopped Beef	.65
<b>Tuesday, March 10</b>	
Beef Barley Broth	
Baked Meat Loaf/Brown Gravy	.65
Beef Chop Suey on Rice	.75
Broiled Chicken Livers/Bacon Strips	.65
<b>Wednesday, March 11</b>	
Cream Mushroom Soup	
Veal Patti Parmigiana	.75
Knockwurst With Mashed Potatoes & Sauerkraut	.70
Fried Scallops/Sauce Tartar	.80
<b>Thursday, March 12</b>	
Puree Potato Soup	
Round Roast of Beef/Brown Gravy	.65
Old Fashioned Chicken Pie	.80
Spaghetti With Marinara Sauce	.65

**Carbon-14**

(Cont'd)

nitrogen-14. Kamen made similar observations.

But the work was tedious and difficult. Neutrons were generated by small sources of radioactivity such as radium, and few events could be observed. Observation of tracks left considerable uncertainty. Discovery demanded production of some quantity of carbon-14 and observation of its physical and chemical properties.

The potential value of carbon-14 was recognized even before it was synthesized. This potential caused the late E.O. Lawrence, Nobel Laureate and cyclotron inventor, to order Dr. Kamen, for the latter's account, to launch in September, 1939, an intensive campaign to create the radioisotope in the face of previous frustration and mystery.

While the radioisotope has more than fulfilled the hopes of scientists 30 years ago, scientists are confident that the potential of carbon-14 unraveling the life processes — with untold benefits to human welfare — is only beginning to be realized.

**BROOKHAVEN BULLETIN**

Published Weekly for the Employees of Brookhaven National Laboratory

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**Arrivals & Departures**

**Arrivals**

None

**Departures**

Arnold M. Becker	Biology
Ormonde Brown	Supply & Materiel
Salvatore Decelis	P.E.P.
Marie M. Dorage	Physics
Eileen B. Finter	Information Div.
Naomichi Furukawa	Chemistry
Joyce S. Huson	Information Div.
Izumi Kabasawa	Biology
Hugh F. Montgomery	Accelerator
Victoria A. Nicol	Physics
Donald M. Rose	P.E.P.
Norman M. Rose	P.E.P.
Roberta M. Rubesh	Medical

**In Memoriam:**

Richard E. Brennan of Inst. & H.P. who had been employed at the Laboratory since April 1, 1957 died on February 24, 1970.

**Service Awards — March**

**Twenty Year**

Hare, John R.	DAS
Palevsky, Harry	Physics

**Ten Year**

Adams, William E., Jr.	Physics
Alacca, Eleanor	DAS
Chituk, Antone B., Jr.	Medical
Clipperton, Ronald L.	Accelerator
Durkin, Dorothy F.	Staff Svcs.
Fallon, Peter T.	DAS
Felberbaum, Joan F.	IH
Harbach, Christian H.	Physics
Hensel, Walter L.	Accelerator
Lowell, Russell F.	Accelerator
Robins, Kenneth E.	Accelerator
Uphoff, Robert L.	PEP
Van Lith, Martin	Staff Svcs.
Wall, Gaylord N.	Mech. Eng.
Werner, William	PEP
Wyche, William L.	PEP
Zinna, Emanuel J.	Mech. Eng.

**AEC Awards Ceremony**

Mr. E.L. Van Horn, Manager of the AEC's Brookhaven Office, presided over an Awards Ceremony on February 26, 1970. The following awards were presented to Brookhaven Office employees:

**20-Year Service Pin to Joseph F. Frino**

Finance & Administrative Division  
Mr. Frino completed 20 years of Federal service on January 11, 1970. He began his Government career with the General Services Administration. In 1956 he transferred to the AEC's Brookhaven Area Office as an auditor. When the newly organized Brookhaven Office was established in 1961, Mr. Frino was appointed to his present position of Chief of Administration in the Finance & Administrative Division. During World War II he served for three years with the U.S. Army. Mr. Frino received a BS Degree in Accounting from Fordham University in 1948 and will receive a Master's Degree in Business Administration from C.W. Post College in June 1970.

**Special Achievement Award to Marion C. Willigan, Patent Group**

Marion C. Willigan was presented with a Special Achievement Award in recognition of outstanding efforts exceeding her job requirements during the period from mid-November 1969 through the early part of January 1970. The award consisted of a check in the amount of \$175 and a certificate signed by the Manager.

**Suggestion Award to Abraham Hyman, Operations Division**

Abraham Hyman received a \$50 suggestion award in recognition of adoption by the Laboratory of his suggestion to purchase equipment to be used for detection of glaucoma during routine physical examinations given by BNL.

## Period of Adjustment

The BERA Theater Group's production of the Tennessee Williams' comedy promises to be BNL's laughing highlight in these troubled times. Opening night is Friday, March 13th, with additional performances on Saturday, March 14th, Friday, March 20th, and Saturday, March 21st.

Tickets are now on sale at the Recreation Office, the Cafeteria or from your department ticket seller. Get yours now!

### Department Ticket Sellers:

Accelerator	- Carmen Falkenbach
Applied Math	- Nancy Griffin
Biology	- Irene Steele
Chemistry	- Elaine Rowland
DAS - 197	- Rose Bunt
815	- Patricia Taylor
Hot Lab	- Mary Kinsley
Director's	- Eleanore Murgatroyd
Instr. & H. P.	- Barbara Squediri
Medical	- Claire Hull
Hospital	- Ruth Korsos
Physics	- Pat Towey
Reactor Div.	
Graphite	- Audrey Bangel
High Flux	- Theresa Terlizzi
Recreation	- Blanche Laskee
Research Lib.	- Esther Semm

## New York Mets Baseball Tickets

Ticket reservations for the 1970 Mets ballgames will be accepted at the Recreation Office starting Monday, March 9th. As in past years, BERA has eight box seats for each of 50 playing dates including 12 Sundays, 35 weeknights and 2 holidays. Tickets will be priced at \$4.00 apiece.

In an effort to make the tickets available to as many interested employees as possible, the following sales procedures will be observed:

The Recreation Office will be open for ticket sales and information daily from 9:00 a.m. to 1:00 p.m.

Tickets are intended for the employee and members of his immediate family. It is understood that a single employee might wish to purchase an additional ticket for his or her escort.

Employees may purchase either two or four tickets. Tickets will not be sold to any one employee for more than two games in advance. An employee who has purchased tickets for two games in advance will be permitted to buy additional tickets only after he has attended at least one of his games. In other words, tickets will not be sold to anyone currently in possession of tickets for two unplayed games.

Tickets will not be returnable or acceptable for refund at the Recreation Office. If a game is rained out or postponed, refund or exchange should be made at the Ticket Office at the ball park. If there are tickets which have not been sold one week before game time, they will be sold regardless of the number of tickets already in the purchaser's possession.

### Schedule:

Sunday, April 19 (dh)	Philadelphia
Tuesday, May 5	Los Angeles
Wednesday, May 6	Los Angeles
Thursday, May 7	Los Angeles
Friday, May 8	San Francisco
Sunday, May 10	San Francisco
Monday, May 11	Montreal
Friday, May 22	Chicago
Sunday, May 24 (dh)	Chicago
Tuesday, May 26	St. Louis
Wednesday, May 27	St. Louis
Friday, May 29	Houston
Saturday, May 30 (H)	Houston
Sunday, May 31 (dh)	Houston
Friday, June 12	Atlanta
Sunday, June 14	Atlanta
Tuesday, June 16	Cincinnati
Wednesday, June 17	Cincinnati
Friday, June 19	Philadelphia
Saturday, June 20	Philadelphia
Sunday, June 21	Philadelphia
Monday, June 22	Pittsburgh
Tuesday, June 23	Pittsburgh
Monday, July 6	St. Louis
Tuesday, July 7	St. Louis
Thursday, July 9	Montreal
Friday, July 10	Montreal
Saturday, July 11 (OT)	Montreal
Sunday, July 12	Montreal
Friday, July 24	Los Angeles
Sunday, July 26	Los Angeles
Monday, July 27	San Francisco
Tuesday, July 28	San Francisco
Friday, July 31	San Diego
Sunday, August 2 (dh)	San Diego
Monday, August 3	Chicago
Tuesday, August 18	Houston
Friday, August 21	Cincinnati
Sunday, August 23 (dh)	Cincinnati
Tuesday, August 25	Atlanta
Wednesday, August 26	Atlanta
Monday, September 7 (H) (dh)	Montreal
Wednesday, September 9	Philadelphia
Friday, September 11	St. Louis
Sunday, September 13	St. Louis
Friday, September 18	Pittsburgh
Sunday, September 20 (dh)	Pittsburgh
Tuesday, September 29	Chicago
Thursday, October 1	Chicago

dh - double header H - holiday OT - old timers

## French Club Shows

### Brigitte Bardot Movie!

Everyone Welcome

The next meeting of the French Club will feature the movie "Le Mépris" ("Contempt"), starring Brigitte Bardot. This film, made in 1964, is considered an outstanding work of the director Jean-Luc Godard.

English subtitles, in color.

Day: Monday, March 16  
Time: 8:30 p.m.  
Place: Berkner Hall  
Admission: \$1.50



## Next Concert Artist Is Raphael Hillyer

Raphael Hillyer, violist, will be the featured artist of the BNL Concert the evening of March 19 at Berkner Hall, 8:30 p.m.

Raphael Hillyer, violist was born in New York State. He played with the Boston Symphony under Koussevitzky and the NBC Symphony under Toscanini. He gave sonata recitals with such musicians as Nadia Boulanger and Leonard Bernstein.

In 1946 Hillyer was invited by William Schuman to help establish the Juilliard String Quartet. He has concertized throughout the world and recorded for RCA and Columbia as well as performing frequently at the Library of Congress in Washington, D.C. He taught at the Juilliard School of Music, Berkshire Music Center, Aspen Music Festival, Colby College, Dartington Hall, England, Korea, Taiwan, Philippines and Japan. Hillyer appeared at the Marlboro Festival in 1969 and was Advisor to the United States State Department in strings and chamber music in the Far East. He appeared as soloist with many orchestras and in recitals. His recent recordings include Bartok Concerto for Viola, Hindemith's "Schwanendreher" and Viola Concerto of 1930.

Single tickets may be purchased at the Recreation Office or Box Office for each event at \$3 for adults, \$1.50 for children, and \$3.50 for non-employee guests.

The final concert of the season on April 7, 1970 will be performed by The Pacific String Trio.

## Nimrods Elect

Results of the Rifle and Pistol Club elections were announced at the last regular monthly meeting held at the Recreation Building. Re-elected incumbent officers are President, F. German; Treasurer, A. Lukas; Instructor, R. Domish. Newly elected officers inducted were: Vice President, P. Mercier and Secretary, F. Baumfalk.

Captains for various activities were also announced and members encouraged to contact them relative to scheduled events. Covering various events were F. Rumph, Outdoor Rifle; R. Domish, Indoor Rifle; M. Hughes, Indoor Pistol and P. Mercier, Outdoor Pistol.

## Men's Volleyball League

The first half of Men's League ended on January 21st with the Spikers taking first place. The teams placed as follows:

1. Spikers
2. Old Timers
3. Chemistry
4. Atom Spikers
5. Bio-Meds
6. Metallurgy

The second half is well underway with the Old Timers in the lead.

## Bowling News

Irma Carl

### Purple League

When the league does not bowl well there is not much to say. The Designers lead was cut to three points as they had one of their rare bad nights. Two 500 series were bowled; one by Bernie Jefferson (199/537) and the other by Ed Sperry (178-527). Better luck next week.

### Red League

Another great night for R. Larsen who rolled 237/206/620. V. LoDestro was no slouch with his 241 which was followed by R. Meier 227, J. Erickson 220, J. Berech and R. Dobert 212, J. Cain 211, W. Kollmer 210, J. Lopecky 205, R. Lingg 204, and J. Petro 201.

### Rose League

Louise Russo rolled another way over average game - this time a 165. Kit D'Ambrosio rolled a good game of 175 as did Mary Kish with a 178, Nancy Rapp 180, and Karen Moyer 190. Marty Heine did pretty well (172 and 199). . . understand this was not done until after the ole crying towel was pulled out and a slug or two of some tonic that's served at the Patchogue lanes! !! The Sure Shots and Nightingales tie for first place.

### Pink League

The pins were flying as Betty Nolan cleared the lanes at 193/494. Brita McGonigle (173) and Rosalie Piccione (172) were doing some strong bowling also. The Fiscal Assets and Alley Oops are still neck and neck in the standings and we won't mention just where in the standings - will we?!

## Coming Events At Stony Brook

The State University of New York at Stony Brook invites the public to the campus for a series of lectures, movies, a rock concert and an evening of dramatic readings.

### Saturday, March 7

William Getman, a Suffolk County artist, who specializes in collages, will present a lecture-demonstration of his work in a program entitled "What is Your Collage Aptitude" at 8:30 p.m. in the recreation room of Whitman College.

An Israel Cabaret Night featuring a concert by Hedva and David will be presented in the Stony Brook Union Cafeteria at 8:30 p.m. The event, sponsored by Hillel, the Jewish student organization, is free to members. Non-members are asked for a donation of \$5.00.

### Sunday, March 8

A concert by the Marc Levin Jazz Ensemble will be presented at 8:30 p.m. in the Stony Brook Union Cafeteria.

### Tuesday, March 10

Professor Max Dresden, Executive Officer of the Institute for Theoretical Physics at Stony Brook, will deliver a lecture on "The Peaceful Uses of Atomic Energy" at 7 p.m. in Room 100 of the Lecture Center.

## Honeymoons Ain't What They Used to Be!



Two Wives - with the same problem. Guess who?? The husbands, of course! Julie Peierls and Carol Celentano rue the day and plan for the future.



What Are Honeymoons For?!? - Director Louella Zavesky explains the gory details to the warring couples. Carol Celentano isn't quite convinced.



Here Come The In-Laws - and the reaction of the husband is not unique. Gert Friedlander and Jackee Kelly take command while disgruntled Joe Nardi wonders where it'll all end.

## Slo-Break Basketball

by George Latham

In last Thursday night's action, Universities League Tandems remained undefeated in 2nd Half play, downing Chemistry 38-20. Theo Gray scored 16 points for the Tandems, Tom Brennan had 6 points for Chemistry. Physics scored their first victory of the 2nd Half taking Medical by a 38-26 score. Otto Lazareth had 14 points for Physics, Dickerson scored 12 for Medical.

In the Associated League, the Knacks took AMD 64-26 behind Bob Jansson's 26 point effort. Les Lawrence had 9 for AMD. The Dirty Dozen remains tied with the Knacks by taking the Highballs in a close one 53-51. Ed Taylor and George Leverock had 14 points apiece for the Highballs, and Red Carsten of the Dozen led all scorers with 23 points.

## Classified Advertisements

### Positions Available

The Brookhaven Bulletin will list each week job openings that have come to our attention that may be of interest to Lab employees.

MACHINE SHOP FOREMAN - Virginia Polytechnic Institute, Blacksburg, Virginia

ELECTRONIC TECHNICIAN - Virginia Polytechnic Institute, Blacksburg, Virginia

ADMINISTRATIVE ASSISTANT - Chemistry Department, University of Rochester, Rochester, New York

ELECTRONIC TECHNICIAN - Chemistry Department, University of Rochester, Rochester, New York

TOOL FABRICATION (die makers, jig builders and borers) - Grumman Aerospace, Bethpage, New York

CLERK TYPIST/RECEPTIONIST - Brookhaven Memorial Hospital, Patchogue, New York

SUPERINTENDENT (buildings and grounds) - Cold Spring Harbor Laboratory of Quantitative Biology, Cold Spring Harbor

MAINTENANCE MECHANIC - Cold Spring Harbor Laboratory of Quantitative Biology, Cold Spring Harbor

TYPISTS (EVENINGS) - Physical Review, Brookhaven National Laboratory

CHEMICAL ENGINEER OR MECHANICAL ENGINEER Argonne National Laboratory, Idaho Falls, Idaho

METAL WORKERS - (Precision Sheetmetal Man I, Sheetmetal Mechanic I, Sheetmetal Mechanic II) - Maxson Electronics Corp., Great River, New York

MACHINE SHOP FOREMAN - Rice University, Houston, Texas

TRANSCRIPTION OPERATOR - Liberty Mutual Insurance Company, Smithtown, New York

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

### Autos & Auto Supplies

69 VW - Fastback, used 6 months, 14,000 miles. Still has 18 months on guarantee. Call after 7 p.m., Ext. 519.

SERVICE MANUAL - For '64 Buick Special & Skylark series. \$2.50. F. Hoyte, Ext. 7266.

66 INT PICKUP - 1/2 ton, 27,000 mi, good cond. \$800. Walt K.. Ext. 2457.

ENG OVERHAUL GASKET SET - Compl, for '61-62 Olds V8, unopened, new. \$12. R. Machnowski, Ext. 7228.

64 CHEVY MALIBU SS CONV - Yellow/blk top, 283 V8, 4 spd, posi, bckts, excel cond. HR3-9180.

TRIPOD BUMPER JACK - All cars, screw lift, almost brand new. \$6. Ext. 7624, 878-0289.

69 VW - Lt bl Je, 11,000 mi, excel cond, under warranty. \$1275. 751-6469.

66 VW - Blk, bug, r/h, very good cond. \$900. PE1-0480.

2 TIRES - 6.95x14, used. \$5. Nick, Ext. 565.

69 YAMAHA MOTORCYCLE - 305 cc, twin carbs, 5 spd, 2200 mi, orig owner, like new. Sacrifice, \$495. Jerry, Ext. 2715.

65 BUICK SKYLARK - Beige/white conv top, auto trans, console, sports model. 325-0675 eves.

66 MUSTANG CONV - Red/white top, V8, 4 spd, console, bckts, extras, very good cond. \$1295. C. Nielson, Ext. 7677, 325-0968.

TIRE CHAINS - 8.50x14 or 7.60x15, unused, some rust from standing. \$5. J. Phelps, Ext. 439.

64 OLDS VISTA CRUISER - Good cond. \$630. Bob, Ext. 2265, AT9-8235.

64 CADILLAC - Perf cond, see what luxury is, real leather int. Kahane, Ext. 2810.

69 RAMBLER - Blue, 2 dr, std trans, snows, low mileage, excel cond. 744-5528.

64 OLDSMOBILE 98 - 4 dr hdtp, auto trans, air cond, full pwr. \$525 firm. Ext. 2131.

62 OLDSMOBILE 98 - 4 dr hdtp, auto trans, ps/pb, good tires, excel cond, 55,000 mi. Asking \$400. S. Senator, Ext. 7183, 928-0208.

64 LINCOLN - 4 dr, full pwr, good cond. \$525. W. Lundgren, Ext. 7525, 588-1566.

61 FALCON - "It runs." \$50. 744-6636.

58 HILLMAN MINX - Running cond, needs body work, good for parts. \$50. Ext. 597, 878-0642.

65 CHEVROLET EL CAMINO - 327 V8, 4 spd, good cond. 289-3114.

63 VW CONV - Needs eng work. \$75. J. Titmus, Ext. 7812.

MECHANIC'S SPECIAL - '63 Rambler sedan; '59 Rambler wagon; both need work. J. Titmus, Ext. 7812.

64 CATALINA - 4 dr, ps/pb, auto trans, new tires & batt. \$450. John, Ext. 7685.

8.50X14 TIRES - Good tread. Both/\$15. M. Strongson, Ext. 2727.

60 OLDS 88 - Ps/pb, needs head gasket, no reasonable offer refused. M. Strongson, Ext. 2727.

59 WILLYS WAGON - 4 w/d, 6 cyl, w/snow plow. \$850. 281-8695.

64 OLDS DYNAMIC 88 CONV - White/blk top, ps/pb, auto trans, excel cond. Asking \$700. Ext. 2928, 475-8962 after 6.

3 DUNLOP RADIALS - 165x15, 5000 mi left. \$6. J. Guthy, Ext. 2450.

65 CADILLAC COUPE DE VILLE CONV - Air cond, all pwr, excel cond. Meyer, Ext. 463.

SLIP COVERS - Made for '69 Ford LTD, 2 dr, or any car in its class. \$15. J. Stafetas, AT6-8224.

### Boats & Marine Supplies

BLUE JAY CLASS SAILBOAT - Excel cond, drysailed, Hard Dynamint sails, spinnaker, fiberglassed, compl. racing hardware, w/trailer. \$750. B. Lomonosoff, Ext. 7385, AT6-0294.

MICHIGAN BRONZE PROP - 10 1/2"x8" for Johnson-Evinrude 1968 & earlier, new. \$15. Kazdin, Ext. 7576.

BOAT TRAILER - 18' Cox, w/winch, excel cond, best offer. HR2-0914.

58 LUHRS 22' HDP SKIFF - 109 Grey marine eng, sleeps 2, head, ss radio, outriggers, compass, anchor. \$1250 firm. Joe, MO7-7292.

SAILBOAT - Skimmer Seadog 9'6" fiberglass, wt 120 lbs, 42 sq ft dacron sail, load wt 450 lbs, used 1 season. \$435 (New \$499 + tax + extras = \$536.55). P. McHugh, Ext. 7164, 586-3579.

SAILBOAT - 17' Thistle, dacron sails & spinnaker, good cond, ready to go. \$950. HR2-1833 after 6.

14' CUSTOM MADE RUNABOUT 1965 - Wood body, fiberglassed bottom, reinforced transom, remote steering & throttle, good cond. 878-0582.

16' MFG WESTFIELD REGAL RUNABOUT - Skiff type, fiberglass, w/compl nylon navy top, 40 hp Evinrude elec start & shift motor, Tee Nee boat trailer w/12" tires, all 1957 & in excel cond. 727-0364.

PROPELLER - For Evinrude-Johnson 75-80 hp, '68 & earlier, 10 1/4"x8 1/2". First \$10. Kazdin, Ext. 7576.

### Miscellaneous

CENTURY ELEC MOTOR - Single phase, 5 hp; GE 3 phase, 5 hp elec motor; lathe table saw, 16" blades. Best offer. V. Drososki, 473-4471.

HOLLOW BODY ELEC GUITAR - W/amplifier, reasonable. GR5-9493.

BABY'S CRIB - Mattress, car bed, and play pen. \$12.00. K. Boehm, Ext. 2994, 751-5867 after 7.

SIMPLEX PRESSER - Excel cond. Jerry, Ext. 7508 after 4.

TRUMPET - "Lafayette," made in France, good cond. \$40. Bill, Ext. 2392.

OAK FIREWOOD - Logs or split, 20"-30" long, 4"-10 1/2" diam, pickup or delivered, guaranteed to burn. Bob, 732-9517.

1 TICKET - To "The Girl from the Golden West," Metropolitan Opera, Mon March 9, family circle box. \$2.50. G. Holm, Ext. 7263, 924-4261.

STEREO-TUNER - Amp record changer (Garrard), concertone stereo-8 cartridge player & amp, speakers \$225. 751-6469.

11 BLOUSES - 3 skirts, 10 dresses, coat, skirt & shell matching, sizes 12-13. \$45 takes all. H.M. Browell, Ext. 430, HR3-1445 eves.

TENT CAMPER - Apache Eagle, sleeps 4, alum cover, canopy, extras, excel cond. B. Johnson, Ext. 573.

21" TV - Motorola, full size console, good pix tube in working cond. Special price \$19.95. Gil, Ext. 2204.

MICROSCOPE - SLIDES - \$3. LT9-3269.

SIAMESE KITTENS - 8 wks, pure bred, no papers, lilac male, blue female, beauties, pan trained, reasonable. Ext. 2576, HR3-9180.

LADIES' FIGURE SKATES - Hyde, size 7 1/2, excel cond. Ext. 2924.

ARMSTRONG FLUTE - Silver plate, good cond, needs new pads. \$40. Ext. 2924. 286-0428.

MEN'S SKI BOOTS - Laced dbl boots, size 8M. \$8. Ext. 2924, 286-0428.

AKC REG GREAT DANE - Proven for stud, brindle markings, 35" high. 281-9570 after 6.

RCA TV - 21", b&w, very good cond. \$30. Draganic, Ext. 628; Ext. 7726 after 6.

STD SIZE POOL TABLE - 6 mos old, compl equipped. \$85. Pat, Ext. 614, JU8-2559 after 6.

SEWING MACHINE - & buttonhole attachment, good working cond. \$25. Kiesling, Ext. 451, 878-0717.

BEDRM SET - Dbl bed w/bookshelf headboard, matching bureau w/mar-proof finish, box spring & mattress, 3 yrs old. 286-8119.

SLAVIA BB PELLET GUN - Spring powered, takes .177 cal pellets, very good cond. \$8. C. Ruege, Ext. 451.

SM PHILCO REFRIG - Good cond; upright piano. J. Titmus, Ext. 7812.

HORSE TRAILER - Partly constructed, on good sturdy frame. J. Titmus, Ext. 7812.

TAPE RECORDER - Batt operated. \$6. Ext. 353, 286-0436.

GE PORTABLE TV - Color, 18" diag, 7 mos old, excel cond. HR2-2308 after 6.

SCUBA TANK - Sm 40 cu ft, J-valve, tested 7-69, w/boot. \$35. Ext. 597, AT6-0436.

SCUBA TANK - 72 cu ft, tested 3-69, boot, back pack, K-valve, \$40, Voit 2 hose regulator, \$25. Ext. 597, 286-0436.

MEAT SLICER - Manually operated, beautiful thin slices w/no effort. \$8. LT9-3269.

DIN RM SET - Best offer. R. Slavinski, Ext. 2896.

DBL BED - Mattress, box spring & spread, \$25; crib & mattress, \$15; both excel cond. J. Guthy, Ext. 2450.

2 ELEC HOT WATER HEATERS - Used 1 1/2 yrs ea. 30 gal, \$15; 40 gal, \$20. Rich, Ext. 635.

KING CORNET - Super 20 w/case & Bach 7C mouthpiece, used 6 mos, like new. \$100. AT6-8468.

FOLDING SLANT BOARD - W/built in vibrator, \$10; exercise rowing machine, \$10. Mac, Ext. 7812.

### 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

RANCH - 3 bedrm, 1 1/2 baths, basement playroom, w/w carpeting, 5 appliances, patio, 1 1/2 car garage, wooded 1/2 acre, Setauket. No brokers. 751-5867 after 7.

MASTIC - 3 bedrm ranch w/full cellar, h/w heat, oversized 2 car garage, landscaped on 80'x150' lot near schools, excel cond. Ext. 2304, 281-5759.

SHIRLEY - 7 rm L-shaped ranch, 3 bedrms, 2 baths, fam rm w/lg fireplace, lg sun rm, 1 1/2 car garage, 4 yrs old, 1 block from beach. \$24,000. D. Papa, Ext. 2304, 281-3616.

BELLPORT VILLAGE - 4 bedrm modern, near bay, village shopping, 3/4 acre lot, fully landscaped w/lg trees, architect designed custom built 1961. 286-0741 after 5.

ROCKY POINT - 3 bedrm ranch, 1 1/2 baths, playrm, lg kitchen, liv rm, din rm, w/w, drapes, s/s, att garage, wooded 1/2 acre on cul-de-sac, beach rights. \$29,000 (Take over 6% mort). 744-5901.

OLD MASTIC - 3 bedrm house, den, garage, basement, comb windows, corner prop, near Forge River Marine Yacht Club. 281-7226 after 6.

BLUE POINT - 3 bedrm split, 1 1/2 baths, att garage, pine panellled play rm, cheerfull laundry, s/s, w/w, 5 appliances, no broker. \$25,500, mort money avail. R. Hambley, Ext. 7811, 363-6150.

### Wanted

TREE REMOVAL - & Chain saw service, reasonable. Bob, 732-9517.

EXPERIENCED MOTHER'S HELPER - Requires summer position. Judy, AT6-8835.

TO BUY ROLL A WAY BED - In good cond. Jerry, Ext. 7508 after 4.

BLOOD DONORS - For heart surgery. Berley, Ext. 385, 928-1007.

ANTIQUA CAR OWNERS - Interested in joining the Quarter Century Auto Club of Suffolk. Tom, JU8-4766 after 6.

PROSPECTIVE MEMBERS - For Parents Without Partners chapter 308 social activities for adults/children. Lee, Ext. 7637, 281-3259.

WOODEN BARREL - 50 gal size. G. Pitcher, Ext. 2204.

USED REFRIG - For summer house, low cost, white preferred. Betty, Ext. 360.

2 MOTHERS (SISTERS) - Patchogue area, interested in caring for young infants (under 1 yr old) for working mothers in their homes. 475-6104.

TAXPAYERS - Federal & State income tax forms prepared in the privacy of your home or mine. GR5-8330.

INVERTER TRANSFORMER - 100-200 w, 12v DC to AC 115 volts. Rolf L., Ext. 638.

HOMES - For 6 puppies, 5 wks old. E.S. Kaplan, Ext. 2411.

MATURE WOMAN - To care for 3 children (ages 1,3,5) in my home for 2 or 3 days. W. Livanit, Ext. 371, 473-8578.

3-4 BEDRM HOUSE - Rent w/option or towards purchase, Shoreham, no agents. 744-6174.

MICHELIN X TIRES - For Peugeot, good cond. Kasha, Ext. 2948.

CLEANING WOMAN - Reliable, own trans. Ext. 2819, 732-9384 after 6.

BABYSITTER - 2 children, 1 school age, my house, Patchogue area. 289-5554 after 6:30.

AM-FM STEREO RECEIVER - M. Strongson, Ext. 2727.

1 OR 2 TIRES - 165x15 or 6.85x15, low profile. Ext. 2727.

WOMAN BABYSITTER - Either in Bellport area or on site to care for 2 preschool children 2-4 days/wk. 286-9612.

AQUARIUM EQUIPMENT - D. Emery, 744-5079.

OPAQUE OR 35 MM PROJECTOR - Reasonable. Charlie, Ext. 2701, 694-4694.

PETS - Going on vacation, skiing, reliable pet sitting, reasonable. Tony, 924-8225.

ACCORDION - 48 bass, about \$50. Ext. 2902.

### Carpools

RIDER DESIRED - To compl carpool, VW driver OK. Ext. 2942.

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

DRIVERS WANTED - To compl existing 2-member carpool from Riverhead. Pat, Ext. 7691.

NEW MEMBERS NEEDED - For prompt, dependable pool, 8:30-5, Lindenhurst-W. Babylon vicinity, portal to portal. Everding, Ext. 2397.

## Dollars and Sense

Gilbert Picard

### Miscellaneous Deductions - Part II

**Employee Business Deductions** - BNL employees who itemize expenses on their income tax returns can deduct necessary and proper unreimbursed business expenses in their Miscellaneous deductions section of the itemized expenses, Schedule A, form 1040.

However, in order to provide a checklist of such expenses the following represents the more common and perhaps uncommon types of deductions available. They are:

- Employment fees - amounts paid to an employment agency for a position secured;
- Professional journals;
- Tools (life of one year or less);
- Uniforms (cost & cleaning) not adaptable for general wear;
- Union and professional dues;
- Safety shoes;
- Safety glasses and other safety equipment.

**NOTE: Not deductible if supplied by the Laboratory.**

Now let's talk about mileage deductions. Out-of-town business trips and other miscellaneous unreimbursed expenses.

As we all know, 8¢ per mile is reimbursed by the Laboratory for the business use of our personal car. The tax regulations allow a 10¢ per mile deduction, therefore, the 2¢ difference is an allowable deduction.

In addition, all mileage traveled for business which is unreimbursed is deductible at the full rate of 10¢ per mile up to 15,000 miles. Beyond that the rate changes to 7¢ per mile.

All unreimbursed expenses for local or out-of-town business trips are deductible as long as they are ordinary and necessary expenses.

Where do we deduct these expenses? If you itemize your expenses, you can deduct them in the Miscellaneous expense section, or use form 2106 *Employee Business Expenses*. Using form 2106 is always to your tax benefit because it is a deduction toward adjusted gross income.

If you do not itemize deductions (if you use the standard deduction), you must use the form 2106 in order to offset your income with this type of expense.

### Medical Insurance

Non-salaried appointees whose appointments at the Laboratory are full time for three months or more, may now participate in the AUI Medical and Major Medical insurance plan, if their home institutions, or fellowships, do not provide medical insurance during their stay. Guests holding intermittent appointments are not eligible.

Guests, Technical Collaborators and Research Collaborators who are not protected by medical insurance are urged to contact the Office of Scientific Personnel, 40 Brookhaven Avenue, Extension 495, for further information.

### 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.

<input type="checkbox"/> For Sale: Auto & Auto Supplies	<input type="checkbox"/> Wanted	Check <input checked="" type="checkbox"/> the heading applying to your ad.
<input type="checkbox"/> For Sale: Boats & Marine Supplies	<input type="checkbox"/> Carpools	Print or type your ad in 20 words or less.
<input type="checkbox"/> For Sale: Miscellaneous	<input type="checkbox"/> Lost & Found	

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