



Udall Lecture Next Wednesday

The Honorable Stewart L. Udall, next Wednesday's AUI Lecturer, will base his presentation on his most recent book, *Agenda for Tomorrow*.

Udall, Secretary of the Interior under the Johnson and Kennedy administrations, is now the chairman of The Overview Group, which concerns itself with environmental problems.

According to an Overview brochure, "There is today a world-wide crisis of the environment. It stems from the extraordinary mass migration from rural to urban areas in virtually all regions of the planet.

"It stems from a much too rapid increase in population. It stems from the abuse and misuse of the earth's resources.

"The Overview Group believes the crisis of the environment is rooted in shortcomings: in failures of design and planning; failures in politics; the failure in both public and private sectors to establish priorities responsive to the needs of man.

"There must be an 'Overview': a broad systems approach in which... the arts, sciences, humanities, technologies, communications and politics must join in focusing their combined skills on rebuilding and renewing the total environment."

The Tenth AUI Distinguished Lecture will be presented next Wednesday, November 12, at 8:30 p.m. in Berkner Hall. No tickets are required for admission to the lecture, and all employees and their guests are invited to hear this distinguished and dynamic speaker.

Apollo 11 In Stereo and Color

Today and tomorrow in the conference rooms at Berkner Hall stereo pictures of the moon surface will be shown at 15 minute intervals starting at 11:30 a.m. Fifty people at a time may view these projected color views through special glasses which will be supplied at the start of each showing.

On Monday and Tuesday, in Berkner Hall at 12 noon and at 1 p.m., movie film in color made during the Apollo 11 flight and landing of the lunar module will be shown to employees. These 16mm films are reproduced from the original films that the astronauts made during their historic flight and subsequent landing on the lunar surface.

ANS Taps Three From Brookhaven

The American Nuclear Society has announced the election of Jules B. Godel (Chemistry) as chairman of its Remote Systems Technology Division for a term of one year. Walter D. Tucker (DAS) will guide the division's program, assisted by a committee that includes Carl R. Flatau (Accelerator).

The division's activities began in 1952 with emphasis on the design, construction, and operation of Hot Laboratories, and equipment associated with the use and handling of radioactive material. However, in recent years the scope was broadened to include remote applications in space underseas, and in medicine.

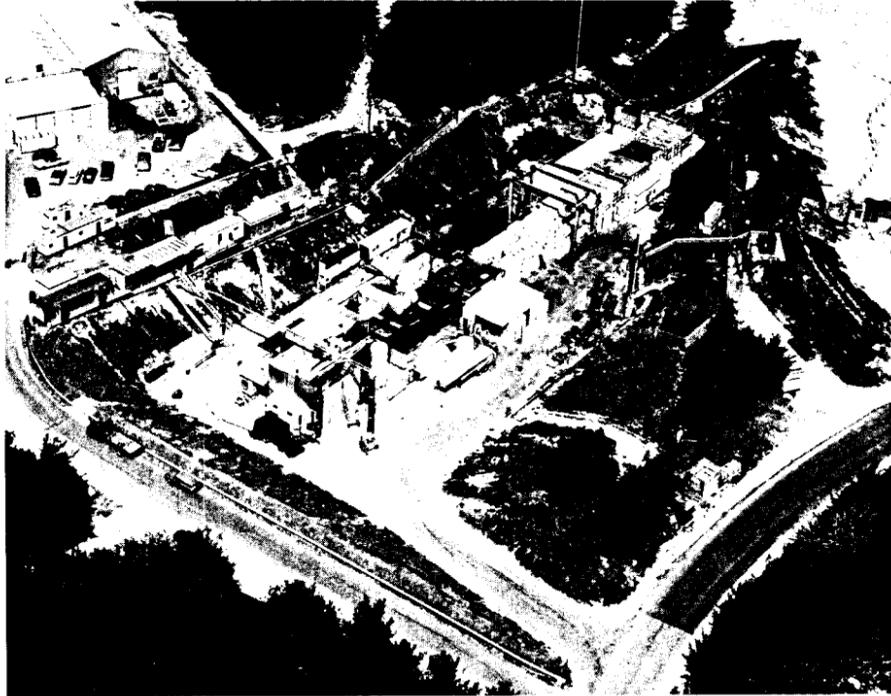
Division membership is truly international; its 400 members are drawn from 11 countries on five continents. In June 1965, the division coordinated the U.S. efforts at an IAEA conference on Hot Laboratories in Paris. RSTD conferences are held each year at the ANS Winter Meeting.

Safety Item Issue Times

Safety shoes and glasses will be issued from the lower level of Building 535 on the following schedule:

- Shoes - Mon.days 1330 to 1630
- Thursdays 0900 to 1200
- Glasses - Mon.days 0900 to 1200
- Wednesdays 1330 to 1630

Seven Foot Bubble Chamber Facility



The Alternating Gradient Synchrotron is at upper right in this picture. The beam will emerge from the AGS and terminate at the bubble chamber vessel at left center. Buildings at upper left are used for servicing the 7-Foot facility. The entire complex is located to the west and south of the accelerator ring.

7-Foot Chamber In Operation 1st Tracks Filmed

Last Saturday Brookhaven's 7-Foot liquid hydrogen bubble chamber was made operative for the first time, and pictures were made of cosmic ray particle tracks using the new facility.



Technicians work on top of the 7-Foot chamber at the ports where cameras will be attached for photographing events in the chamber.

According to Rodney L. Cool, Associate Director for High Energy Physics, "Operation of the new 7-Foot bubble chamber is more than just another in a long series of successes by the BNL Bubble Chamber Group.

"This chamber establishes the validity of many new and ingenious techniques



One of the first pictures made with the new facility shows a shower of cosmic ray particles, starting at the top and fanning out to the bottom.

originated at BNL and makes possible the construction of bubble chambers of very large volume at reasonable cost.

"The great power of this bubble chamber technique can now be extended to attack many new and exciting problems in elementary particle physics."

The 7-foot chamber was originally built as a test facility for investigating several new concepts that are to underlie the construction of even larger bubble chambers, such as a 25-foot chamber that may be constructed at the National Accelerator Laboratory at Batavia, Illinois. The chamber will be used for a large number of tests and afterwards is to be converted to a complete users' facility for obtaining bubble chamber pictures for many groups in the U.S. and elsewhere in the tradition of bubble chambers used previously at BNL.

The 7-foot chamber consists of a stainless steel vessel, 7 feet in diameter and 9 feet high, designed for pressures up to 200 psi, containing about 2700 gallons of liquid. It will be able to obtain one to two pictures per second. The chamber is photographed on 70mm film by means of 3 cameras, the illumination being provided by ring-shaped light sources surrounding each of the 3 lenses, whose light is reflected from all parts of the chamber by means of Scotchlite specially developed for this purpose. The camera lenses cover an angle of



Photo-technician Charles Torre prepares to make enlarged photo of a section of a bubble chamber negative containing cosmic ray tracks.

90° and look into the chamber through spherical glass windows (fish-eye windows) mounted within a foot of each lens. The superconducting magnet is designed for a field of 30,000 gauss. So far it has only been powered up to 16,500 gauss. A large amount of equipment, such as refrigerators, high-pressure and vacuum pumps, instrumentation and controls, etc., is necessary to keep such apparatus in operation.

Tune In! Now Set To Move

After a long wait for the mechanics of the program to be completed, **Tune In!** - a new communications channel for the Lab, will debut this week.

A total of 84 plastic boxes have been placed at strategic locations throughout the lab containing pre-addressed, self-mailing envelopes for airing employee comments, questions or complaints. While a signature is not required on each letter mailed in, those that are signed will be answered as promptly and as completely as possible.

An administrative memorandum from Lab Director Maurice Goldhaber has been sent to all employees explaining much of the details of how the plan will operate. Further instructions are printed at the top and bottom of each form.

In order that the questions, comments and complaints can be assured of confidential handling, Dr. Goldhaber has directed that the only one to know the identity of the sender will be the editor of the *Brookhaven Bulletin*, Carl R. Thien.



Brookhaven Bulletin editor Carl Thien places a supply of Tune In! forms in one of the 84 plastic boxes situated throughout the Lab.

After the editor has opened the **Tune In!** letter, he will number both the letter and the return address stub. The letter will be handed to a typist who will retype it (to protect against identification through handwriting), and the stub will be filed in a locked drawer.

After the letter has been answered either by a return letter or by publication in the *Brookhaven Bulletin*, the stub will be destroyed.

Answers to the questions and complaints will not originate with the editor, but rather with a person or department who is best qualified in the editor's judgment, to give a reasonable answer. All answers, according to Dr. Goldhaber, should be transmitted to the editor "without delay."

Answers to questions of general interest will be published in the *Brookhaven Bulletin*. Questions about all subjects, except those normally considered confidential, such as individual salaries, will be answered.

Tune In! can become a powerful factor in communication in the Lab. In IBM, where the program was developed under the title "Speak Up!", trends in employee thinking, communications weaknesses and legitimate criticisms have resulted in worthwhile changes in company policies and practices.

For further information about the program or additional copies of the **Tune In!** forms, contact the *Brookhaven Bulletin*, room 112, 40 Brookhaven Avenue, or telephone Extension 7238.

At the present time Brookhaven's Alternating Gradient Synchrotron is not in operation. However, cosmic radiation provides a continuous source of tracks, especially in such a large chamber where in fact an average of two cosmic ray tracks can be seen to enter the chamber every-time it is expanded.

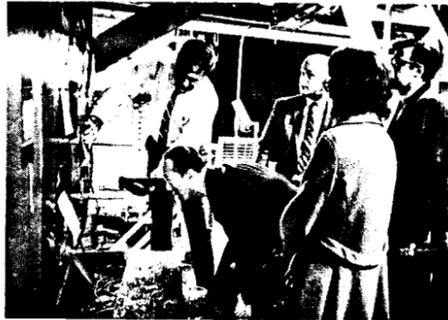
Science Writers Take An Overall Look At Lab

When the Fellows of Columbia University's Advanced Science Writing Program come to Brookhaven Laboratory for their annual visit and tour, visits are arranged with all areas of the lab. Pictured below are some of

the many staff members who took time to explain their research program and facilities to this year's attendees. The group of science writers was small but their interest and ability was very great. —Humphrey



Lewis Friedman showed the group the Chemistry Department.



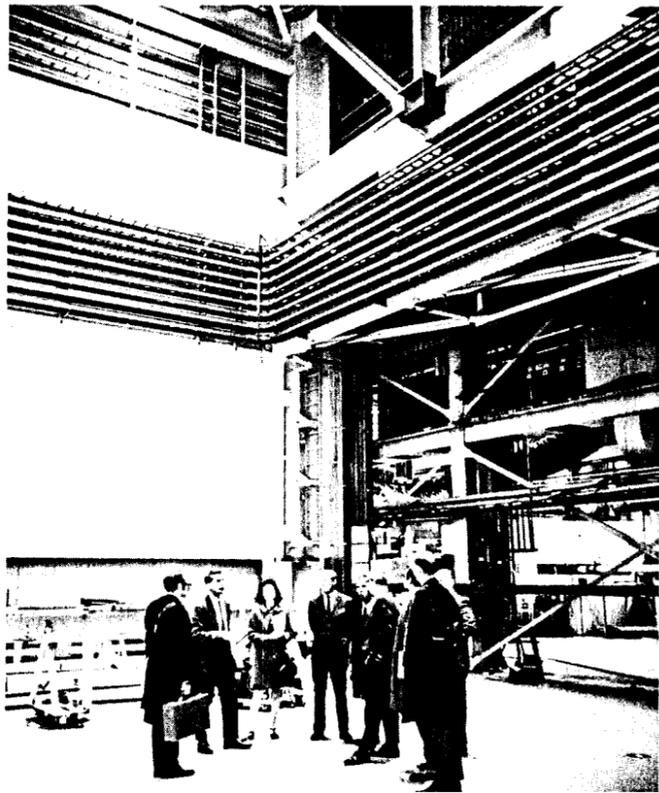
Jack Sondericker uses a flashlight to light the inside of the 80 inch chamber.



Radiation damage was discussed with Mortimer Elkind in Biology.



Harold Atkins gives a close view of a sodium iodide detector.



Eric Forsyth was with the seven science writers in the AGS.



Myron Ledbetter uses an electron microscope.



Keith Jones explains Low Energy Physics.



Harold Siegelman with Biology growth chambers.



Meyer Steinberg exhibits the Chemo-Nuclear Loop.

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Here and There

Claire Lamberti

Dr. Jacob Gilat (DAS) presented a paper at the 1969 Meeting of the Division of Nuclear Physics of the American Physical Society, October 30 through November 1. The paper was entitled "The Effect of Shell Structure on Nuclear Level Density and Evaporation Processes."

M.M. Small (PE & P) attended the 1969 IEEE Systems Science and Cybernetics Conference held in Philadelphia on October 22-24.

L.P. Remsberg (Chemistry) will give a Chemistry Seminar entitled "Fission of Uranium and Bismuth Induced by 3-GeV Protons" on November 12 at 3:45 in the Chemistry Seminar Room.

Edwin J. Tuthill (DAS) will participate in Technical Symposium on Solid Waste Management to be held at C.W. Post College on November 8. He will present a paper entitled "Radioactive Wastes from Power Reactors."

Prof. Nambu of the University of Chicago will present a Particle Physics Seminar entitled "Dual Model of Hadrons," on November 12 at 2 p.m. in the Physics Seminar Room.

T. Gold of Cornell University will give a Laboratory Colloquium on Pulsars on Tuesday, November 11 at 3:30 in Berkner Hall.

Arrivals & Departures

Arrivals

Sandra C. Dolan Medical
Eugene Harchuck Physics
Branko Soucek Instr. & H.P.

Departures

George E. Banka P.E.P.
Franklin G. Bell Central Shops
Shabtai T. Bauer Biology
Mary J. Conway Accelerator
Dolores M. del Castillo Director's
Frank P. Foster Accelerator
Roger U. Hamlyn, Jr. Supply & Materiel
Marc Leopold App. Math.
Jerome Sadofsky App. Science
Ralph L. Van Nostrand Sys. & A.D.P.

AEC Service Award

E.L. Van Horn, Manager of the Atomic Energy Commission's Brookhaven Office, presented Abraham Hyman, Chief, Electronics Branch, Operations Division, with a 20 year service pin. Mr. Hyman began his Government career in 1948 with the Civil Aeronautics Administration in New York City.

In 1955 he transferred to the Armed Services Medical Procurement Agency where he remained until 1964 when he joined the U.S. Naval Training Device Center in Port Washington, New York. When the Navy moved the Port Washington Center to Florida, Hyman transferred to the AEC's Brookhaven Office, where he has served since 1966.

He received a BS Degree in Electrical Engineering from Brooklyn Polytechnic Institute in 1945 and a Master's Degree in Electrical Engineering from Newark College of Engineering in 1954.

Coming Attractions

11/6 **BERA Concert**
Augustin Anievas, Pianist
(Berkner Hall - 8:30 p.m.)
11/10 **French Group Movies**
"Carnival in Flanders"
11/12 **Navy Lecture**
(Brookhaven Center - 7:30 p.m.)
11/12 **AUI Lecture - Stewart Udall**
(Berkner Hall - 8:30 p.m.)

Lecture Hall And Cafeteria Honored

The firm of Max O. Urban Associates, Inc. has been given a Merit Award from the Concrete Industry Board for the Lecture Hall-Cafeteria Building at Brookhaven.

Awards have been made for the past eight years to buildings of particularly noteworthy design. In addition to the award for the BNL structure, the firm of architects was also given an award for the FDR Post Office and Office Building. Other buildings that were honored included the Technology Building II at New York University and the Guggenheim Bandshell at Lincoln Center.

The award will be made at a dinner meeting at the New York Hilton on Wednesday, November 19.

Movie Lovers Take Heed

The French comedy classic "La Kermesse Héorique" ("Carnival of Flanders") will be shown under the auspices of the French Group of BNL on Monday, November 10, at 8:30 p.m. in Berkner Hall.

Directed by Jacques Feyder, "Carnival in Flanders" was produced in 1936 and features Francoise Rosay and Louis Jouret in one of their most memorable roles.

The film is set during the Spanish invasion of Flanders and has been called by one critic "...one of the greatest comedies in 40 years... a blend of Boccaccio and Breughel..."

Everybody is welcome to attend this show that has English subtitles. Admission is \$1.50 per person.

Alerting All Artists

It's time for the annual exchange of paintings at the BNL Medical Research Center. These paintings have given much happiness to the patients, enlivening the rooms and corridors as nothing else can. It is hoped that artists will be as generous this year in loaning their work as they have been in the past.

Paintings and collages which were loaned this past year should be picked up during the week of November 3rd, between the hours of 10 and 4, at the Occupational Therapy room in the Medical Department. Work to be loaned for the coming year should be taken to the same place on those dates. All work must be framed and ready for hanging, and may be marked "for sale" if the artist wishes. All paintings are fully insured by the laboratory.

New participants in this annual exchange are most welcome. If there is a question, call Mrs. Korsos, Ext. 7449, or Mrs. Dahl, AT 6-0379.

SCUBA Divers Get Organized

There is a move on now by a group of Lab divers to form, or re-form, the BNL Diving Club. An initial organizational meeting has been held to start the ball rolling, but further work must be done, and will be done, at a meeting within the next few weeks.

Flyers are available at the Recreation Office or call Tom Lee, Ext. 2411, Lloyd Schairer, Ext. 388, or Marty Samberg, Ext. 2503, for information.

Let's hear from you if you're interested in a great sport. Tom Lee

Volleyball Deadline

The deadline for team entries in the Men's League and the proposed Mixed League is 5:00 p.m., Friday, November 7. If you haven't had time to round up your team, or would like to join a team, call the Recreation Office on Extension 391 or the League Chairman George Lindauer on Ext. 2191.

The Committee will be meeting on November 10 at 12:00 in the Recreation Office to complete the League organization.

Cafeteria Menu

Week Ending November 13, 1969

Friday, November 7	
Clam & Celery Bisque	
Fish 'N' Chips/Sauce Tartar	.65
Broiled Haddock/Butter Sauce	.75
Baked Beef Loaf/Brown Gravy	.65
Monday, November 10	
Mulligatawny Soup	
Baked Ham Steak/Grilled Pineapple	.75
Stuffed Cabbage	.65
Old Fashioned Beef Stew on Rice	.80
Tuesday, November 11	
Beef Barley Broth	
Roast Leg of Lamb/Mint Jelly	.70
Frankfurters Rolled in Bacon	.70
Baked Lasagna	.75
Wednesday, November 12	
Chicken Gumbo Creole Soup	
Salisbury Steak/Onion Sauce	.65
Roast Stuffed Turkey/Cranberry Jelly	.75
Broiled Swordfish/Butter Sauce	.75
Thursday, November 13	
Cream of Corn Soup	
Fried Chicken Cutlets/Chicken Cream Gravy	.65
Tender Corned Beef & Cabbage	.87
Spaghetti w/Meatballs in Hunter Sauce	.75

BERA Dance Friday November 7



9:00 p.m. - 1:00 a.m.

**At The Gymnasium, Admission At The Door
Employees/Spouse \$2.00 Ea. Visitors \$2.50 Ea.**

We have had dances in the past called St. Patrick's, April Fool, Thanksgiving, Fall, Spring, Winter Carnival, Good Luck, Valentine, International Harvest, Blue Hawaii, June Moon, Gilligan's Island, Neptune's Ball, South Sea Island, Comedy Costume, Beachcombers, and just recently, our Summer Special with Count Basie. This time, the decorating committee is calling it "A Musical Excursion."

The primary reason for naming a dance is to provide a theme so that the decorative talents of the volunteer committee can be put to work transforming the stark Gym into a colorful and gayly lighted dance hall for your evening's pleasure. Bob Lundgren, decorating chairman, and his crew are at work now concocting your musical excursion images.

You are the main ingredient that has to be added to the party to insure its success. We have the fine musicians of the Wayne Foster Orchestra with Rick Stuart leading the group; we have moderately priced refreshments - beer, mixers and rolled steak at 25¢; chips 'n pretzels and ice are on us. If you prefer, you may bring your own liquor.

At this writing the surprise prize(s) has(ve) not been decided but you know there will be something other than a door for the winner(s).

Computer Says '30'

It was center stage for a while, then it began to be pushed aside by brighter lights and now it is being carted off to oblivion. The Univac Solid State 90 computer, big deal of the early 60's has been replaced and will be removed from Building 134 this month.

The SS 90 was not the first computer on site, but it was one of the first tape systems and its circuitry made smaller units possible and therefore available to small organizations. For speed and accuracy, it was a big improvement over our first computer, the Univac 409, a punch card type. The SS 90 has several "firsts." While the people in other offices were toiling and broiling, the room that housed the computer was fully air conditioned. Out of it came the first automated Christmas card to the staff and a Christmas poster complete with sled and reindeer. It also produced the first automated telephone bill for personal calls.

However, no computer is infallible. It was designed for two shifts of operators but, sometimes, went on to three shifts because of malfunctions. It failed completely only once and to meet that crisis, the staff had to rush offsite and complete the payroll on a borrowed computer so that employees would not be checkless.

Computers have radically reduced the time required for payroll processing. When it was done manually, it took about a week; the first computer, Univac 409, cut this down to 2½ days. With the advent of the SS 90, days became hours and in five hours the checks were ready. Now the latest computer, an IBM 360, model 30, using a tape and disc system takes about 1½ hours to handle the payroll.

These computers have never been used for scientific work at BNL. They have functioned solely in the administrative area - for instance, payroll, inventory, budget.



James Birtle, Assistant Operations Supervisor of ADP helps a technician close out operations of the Univac computer formerly used by the Administrative and Data Processing Division.

Christmas Cards On Sale

We at Brookhaven National Laboratory have taken particular pride in the fact that we were privileged to acquire a piece of a moon rock. We all thrilled at the sight of "our rock" when it was on display at Berkner Hall, and now we have something to show off our prized possession that will be equally exciting.

Robert Smith of the BNL Photographic Department has taken some photo-micrographs of the moon rock crystals and dust using Nomorski interference and polarized light, with fascinating results. We thought Christmas cards using three of these prints would be interesting and in keeping with our times. The cards are on display at the Film Service Office in the Gymnasium. Stop in and see them even if you don't intend to buy.

For those who are inclined to shy away from the abstract art form, we also have the "holly branch" card so popular last year.

The cost of individual cards is 25¢. For quantity purchase of 50-99, the price is 18¢ each; 100 or more, 15¢ each.

The Film Service Office is open daily, Monday through Friday, 9:00-3:00. Incidentally, the Office is featuring a couple of camera buys that may be appealing to you and your pocketbook.

Where computers may take people off old jobs, they create new ones. In 1955 there were six people engaged in systems and data processing in the Fiscal Division, but in 1957 a new division was created and the staff has increased to 33.

The new IBM 360 has an interesting attachment. It can be hooked up to remote terminals giving a response to a request for information in about 10 seconds. One terminal is presently in operation in Administrative Data Processing and three more are on order and will be placed in other departments on site where they will be most useful.

Soccer

M.T. Hutchings

Huntington Res. 2 Vs. BNL 3 (2-1)

A beautiful autumn Sunday afternoon found fifteen members of the Soccer Club back in Huntington on October 26th. In our best display to date we gave a good Huntington team their second-only defeat this season.

The game opened with quick exchanges at each end, guest-player Preece testing their goalkeeper with a cannonball shot from the left. We then became subjected to a period of Huntington offensive during which our attack lost cohesion and the ball rarely left our half. After fifteen minutes Huntington took the lead, a shot from the edge of the penalty area beating Cantera with the help of a low sun. A few minutes later we were two down when a defensive slip let their center-forward through to walk the ball almost into the net. Indeed the Huntington attack combined neatly during this period, working the ball well from man to man and running into the empty space to receive it. However, one must not underestimate the talent of this great BNL side! With an air of "enough is enough" we began to come back into the picture, and Boyum made it 1-2 with a good cross shot from the right.

In the second half our defense began to dominate the Huntington attack, their pretty passing coming to an abrupt end at our penalty box so that there were few dangers to our goal. Boyum levelled the score with a good low shot inside the right hand post mid-way through the half, and then as Huntington tired we applied the pressure. However, it wasn't until two minutes before the end that Preece beat two defenders, put in a long shot which could only be helped in by the Huntington goalkeeper, and sent us all home in good spirits!

Our first Saturday morning practice game attracted thirteen players on October 25th. We shall hold more games on free weekends.

Future Events

- Nov. 8th-am V. Yale Graduates (away)
- Nov. 9th-pm V. Grumman Res. (away)
- Nov. 15th-pm V. Staten Island CC (home)
- Nov. 15th-avg. Soccer Club Party

Personnel Services

At the Recreation Office

Open Daily 9:00 a.m. to 1:00 p.m.

Theatre Tickets

Westbury Music Fair - Reservations are now being made for the shows listed below. 20% discounts are given on specific nights and times. All orders must be placed in person and accompanied by a check or money order (no cash will be accepted).

Schedule:

We're sorry to say that the "Steve and Eydie Show," November 6-9, is sold out.

November 11-23, "Cabaret," starring Laugh-In's Judy Carne. Discounts Tuesday, Wednesday, Thursday and Sunday evening shows, and Saturday 5:00 p.m. show.

November 28-30, "The Ray Charles Show." Discounts Friday, 8:30 show, Saturday, 7:00 show, and Sunday, 4:00 and 8:00 shows.

No discounts on one night attractions.

New York Basketball

Nets - 20% discount on all price seats to all of the New York Nets games being played at the Island Garden Arena in Hempstead. The season started the middle of October but there are still 36 remaining games on the schedule.

Knickerbockers - 20% discount on \$5 seats, only. Six remaining home games at Madison Square Garden.

Stop by the Recreation Office and pick up schedules for both series.

Long Island Football

Bulls - 20% discount on all price seats. Two remaining games on November 7 and November 21.

Athletic Equipment on Sale

BNL T-shirts, tennis balls, shuttlecocks, table tennis paddles, athletic socks, combination locks, shoe laces, playing cards. Also, information booklets on table tennis, baseball, diving, badminton, skin diving, judo, life saving, volleyball, archery and bowling.

The Recreation Office subscribes to several periodicals covering various phases of the entertainment field. Cue, Opera News, Long Island Review, Long Island Entertainer, and Stubs Magazine (which includes seating plans of most New York City theatres) are among those available for information and perusal at the Office in the Gymnasium.

Gymnasium Schedule

November 12, 1969 - April 1970

The following scheduled activities have first priority for use of the Gymnasium. Individuals wishing to play badminton, table tennis, lift weights, shoot baskets, etc., may do so whenever General Activities are scheduled or at other times when space is available and their activity does not interfere with the League and Club Programs.

Monday

- 5:00 - 7:00 p.m. Volleyball League (Mixed)
- 7:30 - 9:30 p.m. Soccer

Tuesday

- 5:00 - 7:00 p.m. Judo Club
- 7:00 - 9:30 p.m. General Activity

Wednesday

- 5:00 - 7:30 p.m. Volleyball League (Men)
- 7:30 - 9:30 p.m. Volleyball League & General Activity

Thursday

- 5:00 - 6:15 p.m. Judo Club
- 5:15 - 9:30 p.m. Basketball League (4 games: 5:30, 6:40, 7:50, 9:00)

Friday

- 5:00 - 9:30 p.m. Tennis (by posted self-service reservation)

Note: This schedule is subject to revision depending on the organized activities final structure.

Athletic Equipment

Certain items are offered for sale at a discount at the Recreation Office in its self-service section - Daily 9:00 - 1:00 Only. (Athletic socks, locks, shoe laces, tennis balls, etc.).

Bowling News

Irma Carl

Red League:

With position night two weeks away, the league seems to be closing-up fast with the Dimwits just about holding onto first place. Strong bowling was shown by R. Bone 202, R. Meier 206, and K. Asselta 215.

Purple League:

Designers are in first place with the Electrons two points in back and breathing down their necks. Charlie Tomesch had two 202's for a 561 series, Ed Sperry 540, Bernie Belligan 528, Vinnie Felice 201-519, Mike Iarocci 517, and Joe Cuccia 511.

Rose League:

Nancy Rapp 186, Ethel Cox 188, and Jenny Jenny 193 put their eyes on the mark for some good bowling this past week. Marty Heine 199, 201-527 dazzled everyone with her accuracy which included a neat conversion of the 2-7-9-10 split. WOW!!

Pink League:

The Bioboosers swept a vital 7 points from the first place team making first position almost anyone's guess. Mona Vitale rolled another good game 224-519, as did Wilma Flannery 188.

This week's news submitted by Helen Caisey.

New Pool Season Started



The Swimming Pool is now open on the following schedule.

Schedule - Monday through Friday

- 12:00 noon - 1:00 p.m. Employee Only
- 1:00 p.m. - 3:00 p.m.

Employee/Family/Visitor

- 5:00 p.m. - 9:30 p.m.

Employee/Family/Visitor

Admission:

- Daily - Employee (Family Member) 50¢
- Visitor 75¢

Season-Employee or Family Member

\$10.00 ea.

Family 20.00

Pool Closed BNL Holidays

IBEW Annual Dance

Paul Lindevald and Bertha McKay were winners of the first and second prizes awarded at the Annual Dance of Local 2230 IBEW. The dance was held last Saturday at the K of C Hall in Patchogue.

Lindevald, of the Welding Shops, won the first prize which was a stereo set. The second prize, won by the wife of Frank McKay of Supply and Materiel, was a Honda cycle.

Classified Advertisements

Positions Available

COMPUTER OPERATOR (shift) - Applied Math.
DIGITAL SYSTEMS ENGINEERS - Physics, Applied Math.
SCIENTIFIC PROGRAMMER - Applied Math.
DEVELOPMENT ENGINEERS (Elec., Mech.) - Accelerator, Mechanical Eng'g.
BIOLOGY ASSOCIATE - Biology
TECHNICAL SPECIALIST (Bio. & Electronics) - Biology
TECHNICAL SPECIALIST (Chemistry) - Medical
LABORATORY TECHNICIAN (Water Chemistry) - Reactor.
REACTOR OPERATOR (Shift) - Reactor.
TECHNICIANS (Electronics, Mechanical; Some shift) - Accelerator, Physics.
TECHNICAL SPECIALIST (Computer Maint.) - Instrumentation.
RESEARCH SERVICES ASSISTANT (part time) - Biology
CHEMISTRY ASSOCIATE - Chemistry
MESSENGER (1) - Staff Services.
Application Deadline: November 18, 1969.
WAREHOUSEMAN (1) - Supply & Materiel.
Application Deadline: November 18, 1969.
HELPER A (1) - Central Shops.
Application Deadline: November 18, 1969.

Employees interested in applying for above positions should inform their Supervisor and file written request with the Employment Office.

Please note: In the future, new positions available will be listed once in the Brookhaven Bulletin and will not be repeated thereafter.

Autos & Auto Supplies

55 CHEVY - New 396-375, Edelbrock manifold, Holly 800, Schiefer clutch, '67 GTO int. \$600. 223-1721 after 6.
TIRES - Goodrich, 7.35x15, excel cond. Ronnie, Ext. 2198.
65 MGB - Beautiful cond, low mileage. 281-8566.
MUFFLER - For 63 Corvaire, w/clamps. Tony, Ext. 2922.
67 CHEVY CAPRICE - Ps/pb, blue/blk vinyl top, excel cond, low mileage. \$1500 firm. 281-3939.
59 FORD - 4 dr, std trans. \$100. J.S. Opkins, Ext. 2574, HR2-1097.
64 COMET - Stc shift, good tires, running cond. 751-0226.
66 PONTIAC - 4 spd (rebuilt), 2 dr htdp, cheap. Leroy, Ext. 560, 288-2962.
53 CHEVY PICKUP - Good cond. \$125. Leroy, Ext. 560, 288-2962.
VW CHASSIS - \$10. JUB-4766 after 6.
67 CHEVELLE MALIBU - 4 spd, 2 dr, 4 new wide ovals plus chrome deep dish rims, 327 hi-performance eng. Ext. 342.
HONDA CL 70 SCRAMBLER - New. \$275. F. McKay, 727-3249 after 6.
7:00x14 W/W TUBELESS TIRE - Used, but good tread. \$5. Don, Ext. 2158.
68 PONTIAC EXECUTIVE - Sedan, ps/pb. \$2100. 584-5216 after 6.
64 MG MIDGET - British racing green, excel cond, r/h, 7 wire wheels. \$800. HR3-5546 after 5.
65 MUSTANG - V8, auto trans, disc brakes, good cond. \$750. Ext. 7102.
63 CORVAIR - Best offer. Jeff, AT6-9152.

60 PLYMOUTH - Auto trans, 7 good tires, good running cond. \$125. Jose, Ext. 640, 744-3729.
65 PONTIAC BONNEVILLE - 2 dr htdp in A-1 cond, tape deck player, ps/pb, etc. \$1150. Andy, AT6-3585.
60 PONTIAC CATALINA - 2 dr htdp, red/white, ps/pb, auto trans, w/w, 63,000 orig mi, must be seen. \$425. Bob, Ext. 7333, GR5-8297.
63 FORD GALAXIE - 4 dr, 6 cyl, std trans, 61,000 mi, good cond, transferable 11/13. \$300. Oku, Ext. 7727.
68 CHEVELLE SS 396 CONV - Posi rear, best offer. Ext. 565.
62 PEUGEOT - Eng "shot," will sell for parts - cheap! Good tires, new brake linings, new water pump. Ray, Ext. 2111 after noon.
61 PONTIAC STAR CHIEF - 4 dr, auto trans, r/h, new tires, very good running cond. Ext. 624/526.
69 CHEVY MALIBU - British Racing Green, 350 model, 17 mpg, 4 spd, bench seat, low mileage. Q. Beitel, Ext. 2212, 472-1216 after 6.
LATE 65 MUSTANG - Cruise-o-matic, 6 cyl, perfectly clean. Zuker, Ext. 7285, 286-0118.
55 CHRYSLER IMPERIAL - Big hemi-head, all pwr, good running cond. \$150. Dick, Ext. 2414, 585-3719 after 5.

Boats & Marine Supplies

25' OWENS 1961 - In water, sleeps 5, head, galley, dinette, new 283 V8, navy top, side curtains, depth finder. \$1800. Ext. 7143, 475-8788.
16' FIBERGLASS BOAT - Sportcraft '66, 40 hp elec start Evinrude '66, navy top, side curtains, cover, in water. \$1200. Ext. 7353, 587-9372.
23' OWENS CABIN CRUISER - Stand up head, galley, sleeps 3, canvas, Flaggship 185 hp V8 eng, 200 hrs. \$1300. Zinna, Ext. 2556, 589-4243.
12' MOLDED PLYWOOD BOAT - Steering wheel & controls, good cond. \$50. Kowalski, Ext. 2314, 744-3175.
14' WHIRLWIND RUNABOUT - 35 hp Johnson motor, elec start, battery, controls, Lady Bee trailer '66, excel cond, extras, will demonstrate. \$550. 928-0086 after 6.
SUNFISH - Fiberglass sailboat, good cond. \$300. Bob, Ext. 7333, GR5-8297
CHRIS CRAFT 22' SPEEDBOAT - Dbl planked mahog hull, 150 hp eng, all acces, new cond. \$2500. Ext. 7166.
16' THOMPSON 1958 - Fiberglassed bottom, steering & boat cushions. \$75. H. Ach, Ext. 2411, 929-8187.
20' BAY CITY CABIN CRUISER - 95 hp inboard f.w.c., sleeps 2, head enclosed, galley, extras. Petruk, Ext. 2142, AT6-0124.
7.5 SEARS OUTBOARD - Scott, 5 yrs old, w/gas tank (full), good cond, just tuned up. A real buy @ \$40. Charlie, Ext. 2221.

Miscellaneous

2 HOMART HOT WATER HEATERS - Glass lined; 30 gal, \$35; 40 gal, \$45; both 3 yrs old. Ext. 635.
TV-STEREO-RADIO COMBO - 21"; carriage/stroller combo, \$25; high chair, \$9; apt size table & 2 chairs. 281-3748.
SCUBA TANKS - Twin 72's w/brand new backpack. 281-8566.
2 SPANISH END TABLES - Wrought iron w/glass tops, brand new. \$30. Ext. 2313.
WOMAN'S WINTER COAT - Size 12-14, aqua-blue tweed, wool, fully lined, 1 yr old, like new. \$50. 281-6753.
ASH BLOND FALL - 100% human hair w/form, worn only a few times. Orig cost \$75, asking \$50. 286-8249.
GAS RANGE - Excel cond, dbl width. \$35. Frima, 475-6096.
TO LEASE - 75 acres, good deer hunting, 6 mi south of Margaretville, N.Y. \$75/season. HR2-1493.
BILTRITE BABY CARRIAGE - Very good; Collier stroller good cond; swing, car seat & jump seat. \$60/all. S. Kochis, Ext. 2411.
CASCO BABY HIGH CHAIR - SS tray, \$5; Singer sewing machine, old but reliable, \$15. Frank, Ext. 2598.
COLDSPOT REFRIG - 12 cu ft, \$20; 6 hot water convectors, from 18" to 54", \$4 up. Frank, Ext. 2598.
2 CHEST OF DRAWERS - Kitchen table & 4 chairs; 2 sm chairs. Zuker, Ext. 7285, 286-0118.

ELEC SHAVER - Remington 550, worldwide model, cordless, 110v-220v, used few times. \$21. Ext. 7407, 281-8676.
COMMERCIAL SEWING MACHINE - Overhauled & cleaned, excel cond. 289-0687.
LONG HAired GERMAN SHEPARD - 1 yr old, all shots, spayed, black-brown w/white markings, good w/children, good watch dog. \$50. 325-8631.
KITCHEN SET - Table & 5 chairs, maple, good cond. AT9-0687.
KAY ELEC GUITAR - W/amplifier & case. \$65. Ext. 7438.
AM-FM RADIO - Ac&Dc w/mounting bkt, \$25; Polaroid #150, all attachments, \$35; b (flat) clarinet, excel cond, \$40. Ext. 7750.
VM (VOICE OF MUSIC) HI FI - Mahog cabinet (console), very good cond. \$50. Ext. 2268, GR5-7326 after 5.
DRUM SET - Excel cond. \$110. Bill, Ext. 2580.
B&W TV SET - Excel cond, set in cabinet on low bench, matching coffee table. \$175. GR5-4199.

BEDRM PIECES - Chest w/mirror, bed, end table & chair, orig wood w/hand painted design. \$75. GR5-4199.
PINBALL TOY MACHINE - Casino, battery powered, instant total score dial, by Marx. Cost \$13, sell \$6. Ext. 2898.
BOOKS - 4 vols illus Medical Encyclopedia, new, \$10 (retail \$50); Helga Sandburg's Sweet Music, new, \$1.50 (retail \$6.95). 744-3744.
HOCKEY SKATES - Men's size 7, excel cond. \$4. D. Christman, Ext. 7731.
SKI BOOTS - Arlberg, dbl boot size 10M, \$30; single boot size 11M, \$25; used 1 season, not broken in. Bill, Ext. 7693.
WESTERN BOOTS - Size 10D. \$8. Ext. 606.
ACCORDION - Mussi, 120 bass, 5 shifts, w/case. \$75. D. Pion, Ext. 351.
GIRL'S 26" BIKE - 1 yr old, hardly used, front rear & side lights, best offer. 281-5385.
BED - Twin size bed frame, springs, innerspring mattress, very good, \$20; Roto-Broil custom 400 elec ro-tisserie, \$10. Barton, Ext. 396.
CLIMB LONG ISLAND'S MOUNTAIN - The view is "tairific." 1/2 hr flight, \$3/seat, single/group. Experienced certified pilot. A. Roesch, Ext. 7677.
GE GAS CLOTHES DRYER - 3 mos old. Cost \$165, sell \$130. Don, Ext. 673.

POOL TABLE - Columbia billiard pocket type, triple slate top, antique frame, set of balls, 2 cue balls, chalk, cues, etc. Don, Ext. 673.
TYPIST CHAIR - Steel, adjustable, gray, w/canisters. \$15. N. Whitney, Ext. 7756.
ANTENNA MATCHING NETWORK - Drake MN-4, see p. 42, Oct. '67 QST. \$37.50. N. Whitney, Ext. 7756.
DBL BED - Cherrywood frame & headboard, box spring w/foam mattress. \$30. Conn, Ext. 7411.
REMINGTON MODEL 760 GAME MASTER - 30-06, Weaver K-3 scope, extra clip. \$120. Ext. 2192, 751-8479 after 6.
BUNK BEDS - Unpainted, 1 1/2 yrs old, like new, \$80; crib, white, good cond, but needs mattress, \$8; owner leaving country. Ext. 501.
FALL SALE - Fish tank & stand, metal flower stand, metal book case, folding single bed; all good cond. 929-4568.
CRIB & MATTRESS - Junior high stool in very good cond, also end table & lamps, outdoor metal table & chairs. 929-4568.
SLIDE PROJECTOR - Kodak Carousel Model 650, excel cond. \$50. Cohen, Ext. 454.

16" PORTABLE TV - W/cart, very good cond, 11 mos old. \$65. Oku, Ext. 7727.
ELEC MOTOR - 1/2 hp, very good cond. \$15. Petruk, Ext. 2142.
EGG GRADER & CANDLER - Plan for your retirement now. GR5-7366 to arrange for pickup.
HI-FI CABINET - Solid cherry. \$15. Ext. 7166.
1969-S PROOF SETS - \$7.25/set. Jim, Ext. 2520.
DELICIOUS CAKES - Baked & decorated to order, only finest ingredients, beautiful sugar flowers & other designs. Amelita, Ext. 7717.
YOUTH BED - Good cond, needs mattress. \$20. K. Hoffman, Ext. 2740.
STORMS & SCREENS - Wood, good cond, 36"x39", 28"x51", 24"x39". \$2 ea. K. Hoffman, Ext. 2740.
POST & RAIL FENCE - Used, good cond. \$2/section (10'); gate, \$5. K. Hoffman, Ext. 2740.

NURSERY HAMPER - \$5; pink nursery lamp, \$2; blue nursery lamp w/nite lite, \$4; portable crib w/mattress, \$10; oscillating fan, \$3. Steve, Ext. 2801.
GIRL'S BLK BALLET SHOES - Size 13 1/2 D, excel cond, \$2; slat style springs for 3/4 bed, w/legs. MacKenzie, Ext. 572, AT6-0999.
GREEN SKI JACKET - Ski corduroy slax, size approx 14-16, excel cond, worn 3 times. \$6 & \$4. MacKenzie, Ext. 572, AT6-0999.
WESTINGHOUSE ELEC RANGE - 4 burners, see-through oven, excel cond, sell because of kitchen remodeling. Best offer. Ext. 7753, 286-3742.
STORMS & SCREENS - 2 pr 55x32, 2 pr 47x31, best offer. Ext. 7753, 286-3742.
SKIS & BOOTS - 170 cm wood skis, Cubco safety bindings, ladies Henke boots 7 1/2 B, all good cond, used 1 season. Ext. 2203, AT6-0517.

16 MM MOVIE CAMERA - Paillard Bolex, made in Switzerland, very good cond. \$75. Bill, Ext. 2393.
CORNET - Made by Olds, perf, brand new cond (Xmas is coming). \$90. Bill, Ext. 2393.
BOY'S BICYCLE - 26", rebuilt conventional coaster brake. \$20. 924-4063.
17" TV - Perf, GE, solid design for low maintenance. \$40. J. Palmer, Ext. 2373, 751-1315.
PANASONIC TURNTABLE - Like new cond. Orig. \$40, asking \$20. George, GR5-8397, 5-6 p.m.

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

2 ACRES - 500' off Jericho Tpke on Wilson Ave, Gordon Heights. \$6000. 732-3443.
BLUE POINT - 3 bedrm ranch, liv rm, din rm, sun porch, fireplace, built in bookcases, expansion attic, fenced patio, 160x150 wooded plot. \$28,000. By appointment only, 363-9513 after 5.
SHOREHAM - Cape Cod, 7 lg rms plus 2 full baths, porch, 2-car garage, full basement, wooded lot, deeded beach rights, 7 yrs old. 744-2216.
LOVELY 3 BEDRM HOME - On landscaped acre, carpeting, new kitchen, 2-car garage, must move, low taxes. Sacrifice at \$31,000. YA4-3519.
BROOKHAVEN-SOUTHAVEN - 6 rm ranch on 1/2 acre w/trees, 1 1/2 baths, fireplace, built-in kitchen, garage, freshly painted int, 3 1/2 yrs old, 6% mort, \$24,500, avail. J. Conant, Ext. 7804, 286-2266.
SHIRLEY - 3 bedrm ranch, attached garage & rear porch, full basement, partially finished, all kitchen util incl, 75x125 property, above ground pool & deck, 5 min from Lab. 281-8695 after 6.
WATER, DOCKING - 1/2 acre, salt box colonial, 3 bedrms, 2 bath, 32' swimming pool, 2 yrs old. \$4000 down, price \$18,000, owner will finance. 281-8470 after 5.

For Rent

2 BEDRM FURN HOUSE - Close to the Lab. Ext. 2458, 281-6243.

Wanted

4 OR 5 SPD TRANS - From old motorbike, any make, not expensive. George, Ext. 2713.
CANVAS TARP - 10'x12' or bigger. Ext. 7635, 286-9450.
ARTICLES FOR CHURCH XMAS SALE - Whitey, Ext. 2179, JU1-7165.
FREE LANCE ART WORK - To do at home, reasonable rates, top quality work. Whitey, Ext. 2179, JU1-7165.
HOMES - For 2 long-haired blk kittens, 2 mos old, also 1 gray & white & several nearly-grown cats. Weeks, Ext. 346, 751-1149.
MECHANIC - To rework jeep 4-wheel drive trans (std) & transfer case. Ext. 2592, 281-8274.
TRUMPET - Inexpensive model to test talent & determination of budding artisan. Rosemarie, 473-7546.
OLD, FREE RADIOS - For industrious son to dismantle. Steven, AT6-0534.

CHEAP 35 MM CAMERA - For a boy. Kasha, Ext. 2948.
HARMONICA PLAYERS - With an interest in starting a harmonica band. Torre, Txt. 423.
ANYONE INTERESTED IN RIDE - To Newport, R.I., am driving there Wed, Nov 26. Mona, Ext. 2245 before 4.

1 PR LITE PENNER'S GOGGLES - Must fit all sizes & have tent contact P-Record. Ext. 2585.
TYPEWRITER - Old & cheap, but must be in working cond, preferably portable. Ext. 2235.
DEER - Will skin & butcher. 584-5216.
DESK - Suitable for 1st grader. Ext. 486.
PEOPLE PLANNING A DANCE OR PARTY - Cordovox or accordion & vocalist, 1-man orchestra. Don, 281-8044 after 5.

STUDENTS - Who wish to study piano, accordion or organ, beginners or advanced, my home or yours. Don, 281-8044 after 5.
BABYSITTING JOBS - Reliable woman will care for your children, preferably my home, E. Patchogue. 475-2145.
2 BICYCLES - Girl's 16" & 24". B. Taylor, Ext. 2416.
CLEANING WOMAN - 1 day/wk, reliable & trustworthy, own trans, for working couple w/1 midteen youngster. GR5-8658 after 6.
ORGAN - W/dbl key board & full foot pedals. M. Williamsen, 281-7654.

Carpools

DRIVER DESIRED - From Massapequa. Ext. 2942.
PAYING RIDER - Needs ride from Riverhead for 1 mo from 4-12 p.m. Ext. 2245.
PAYING RIDER - Needs ride from Selden, No. Evergreen Dr area. Bonnie, Ext. 2913, 698-1433.
FORMING CARPOOL - In Bohemia, Oakdale, W. Sayville area. F. Chandler, Ext. 2231.
PAYING RIDER - Would like ride from Fairway Dr, Bellport. Diana, Ext. 2365.
DRIVERS WANTED - Vacation day alternates for existing 5-man carpool from Exit 50 of LI Expwy. Elliot, Ext. 2103.

Lost & Found

LOST - Late in Aug, Rolex pocket watch w/silver chain & knife. John, Ext. 346.

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 employee's 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