



BROOKHAVEN BULLETIN

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Policies, Plans and Bucks for Science

Congressman Emilio Q. Daddario, the eighth AUI Distinguished Lecturer, is scheduled to be at Brookhaven National Laboratory on Thursday, March 20, at 8:30 p.m. He will talk on Shaping The Environment of Federal Laboratories.

Congressman Daddario was first sent to Congress by Connecticut voters in 1958. He was subsequently assigned to the Committee on Science and Astronautics and is currently Chairman of the Subcommittee on Science, Research and Development, as well as the second-ranking member of the Subcommittee that oversees NASA's manned space flight programs, such as the current Apollo flights.

In a speech Daddario gave at Washington University in St. Louis on February 12, 1969, he made several observations on the subject of Science and the Government which are reproduced below.

"Some administrative reorganization of Federal science activities is probably needed if the nation is to meet its social responsibilities and at the same time maintain research activities at an effective level.

"At the same time, more information and study is essential before Congress will be in a position to consider seriously a new Department of Science or some similar organizational movement.

"Federal support of science is particularly difficult due to the great burst in 'uncontrollable' government expenditures which now account for (including defense expenditures) over 80% of the Federal Budget. Nonetheless, science is competing well for an effective share of the remainder.

"One thing we can do when money is short is to manage it better . . . This very issue is receiving intensified scrutiny right now at all levels of government."

Mr. Daddario enumerated five possible science organization plans which are presently being looked at: a Department of Science, Education, and Cultural Affairs, a Department of Science and Higher Education, a 'GSA for Science,' and Council of Advisors on Science and Education, and a revamped and strengthened Office of Science and Technology. Others, he said, may be in the mill.

"In order not to be destructive of our society and some of its most useful institu-

tions and mores, we should not limit our organizational considerations to science alone. As the ecologists are beginning to convince us, we live in an inter-related world where each facet has its impact upon every other facet. This I believe to be true of science and technology as well.

"The stakes are such that we should begin to make definite plans and take positive action just as soon as sufficient information is at hand and competent analysis made. I do not know when this point will be reached, but it should not exceed two years.

"I am not sure that I know what our Federal science policy is - but I am willing to venture a description of what I think it is.

"In its most elementary terms, our science policy seems to me to be composed of the following basic convictions.

"First: The continuing development of science and technology at an optimum rate is vital to the national welfare.

"Second: In view of the foregoing, the government should support science and technology wherever and whenever feasible. With the universities, with industry, with the non-profits - within Government itself.

"Third: To this point, anyway, it has been deemed advisable that control of the support for science and technology should not be centralized.

"You are all familiar with the recent, and current lamentations of academia in general and the scientific fraternity in particular where money is concerned. Especially Federal money. And, indeed, one would be hard put to defend the proposition that these outcries are not justified. Higher education and Science are having troubles. Serious ones. No one who serves the public in an elected capacity or who sits on the board of trustees of a university - and I do both - can be either unaware of or callous about such troubles.

"We on the House Committee on Science and Astronautics intend to become very much involved in the fact-finding and informational processes which eventually will lead to changes in government structures for the support of science. This is part

(continued on page 2)

AEC Commissioner Tape Named AUI Head



Dr. Gerald F. Tape, newly-named President of AUI, (left) is shown with Dr. Maurice Goldhaber, Director of Brookhaven National Laboratory, and Emery L. Van Horn, Manager, Brookhaven Office, US Atomic Energy Commission.

Dr. Gerald F. Tape, U.S. Atomic Energy Commissioner, has accepted the position of President of Associated Universities, Inc., it was announced yesterday by Dr. Franklin A. Long, Chairman of the Board of Trustees of AUI and Vice President for Research and Advanced Studies of Cornell University.

Dr. Tape succeeds Dr. T. Keith Glenan, who for health and personal reasons resigned as AUI President in mid-1968. Since then, Dr. Long has been interim president until Dr. Tape's appointment, which is expected to be effective on or shortly after April 15.

AUI is a national, non-profit research management organization sponsored by Columbia, Cornell, Harvard, Johns Hopkins, Massachusetts Institute of Technology, Princeton, Pennsylvania, Rochester and Yale Universities. In 1947, AUI established and currently operates Brookhaven National Laboratory for the U.S. Atomic Energy Commission. In 1956, it established and currently operates for the National Science Foundation the National Radio Astronomy Observatory in Charlottesville, Virginia and Green Bank, West Virginia.

In addition, AUI has been investigating for the National Science Foundation the establishment of a Tropical Marine Science Center at Belvedere, Puerto Rico. Also, AUI is nearing the completion of a one-

year study begun on April 1, 1968, to determine the requirements for Information Systems (computers) in Education. This study is being conducted out of the AUI offices in Washington under the direction of Dr. John Hrones, on leave of absence as Provost for Science and Technology at Case Western Reserve University. AUI headquarters are located at 1717 Massachusetts Avenue, N.W., Washington, D.C. 20036.

This is the second time Dr. Tape has been chosen President of AUI. He first became associated with AUI when he joined BNL on July 1, 1950. In October of 1951 he was appointed Deputy Director of BNL, and in January of 1962 he was named Vice President of AUI. In October of that year he became President of AUI, but served only until the following spring.

In April, 1963, President John F. Kennedy simultaneously named Dr. Leland J. Haworth to become Director of the National Science Foundation, effective July 1, 1963, and Dr. Tape to succeed him as AEC Commissioner. Dr. Tape took office in July 1963. In 1966, President L.B. Johnson re-appointed Dr. Tape for a term due to expire on June 30, 1971.

Dr. Gerald F. Tape was born in Ann Arbor, Michigan, on May 29, 1915. After receiving his A.B. degree at Eastern Michigan University in 1935, he entered the University of Michigan, where he received his M.S. degree in physics in 1936 and his Ph D in 1940.

In 1939, Dr. Tape was appointed instructor in physics at Cornell University, where he was associated with the cyclotron research group. He joined the staff of the Radiation Laboratory, Massachusetts Institute of Technology in 1942 to work on World War II projects that included the development of airborne radar and radar relay equipment. He also helped to develop equipment for training radar operators under simulated conditions. During 1944 and 1945, he directed the airborne radar work of the MIT Radiation Laboratory in Europe, operating primarily with the U.S. Eighth Air Force from laboratory headquarters in Malvern, England. In 1946, he became a member of the University of Illinois faculty, first as assistant professor and later as associate professor of physics. He was in charge of the administration and teaching of engineering physics courses and also continued his work in nuclear physics and cyclotron development. He remained at UI until he joined BNL in 1950.

Dr. Tape is a Fellow of the American Physical Society and the American Nuclear Society, and a member of the American Astronomical Society, and the American Association for the Advancement of Science. He is also a member of Phi Beta Kappa, Sigma Xi, Phi Kappa Phi, and Kappa Delta Phi.

In 1964, he was awarded an honorary Doctor of Science degree by Eastern Michigan University, and in 1947 he was given an Army-Navy Certificate of Appreciation.

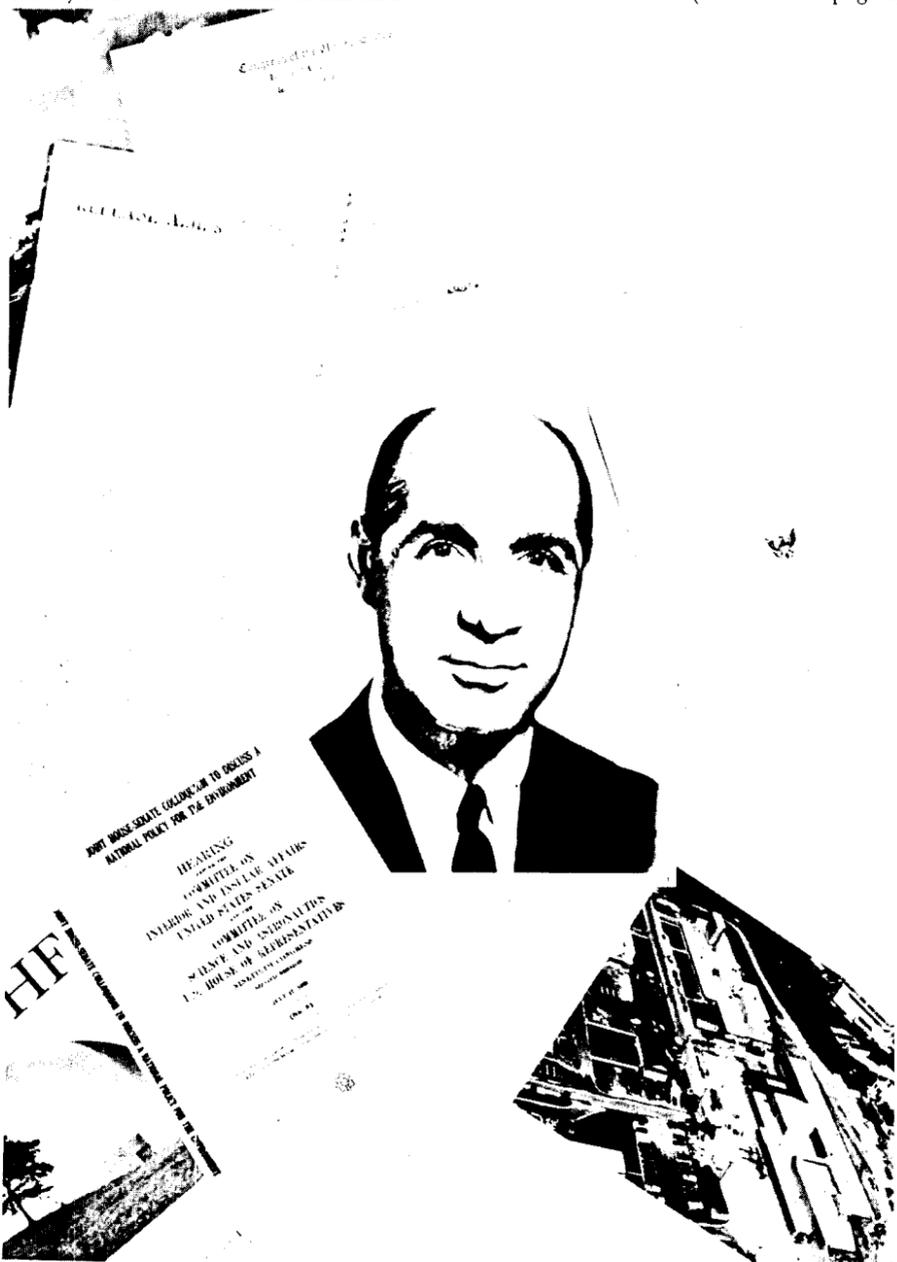
Naval Unit Schedules Inspection, Lecture

The BNL Naval Research Reserve Unit will hold a combined annual inspection, lecture and cocktail party at 7:30 p.m. on Wednesday, March 19 in the Brookhaven Center.

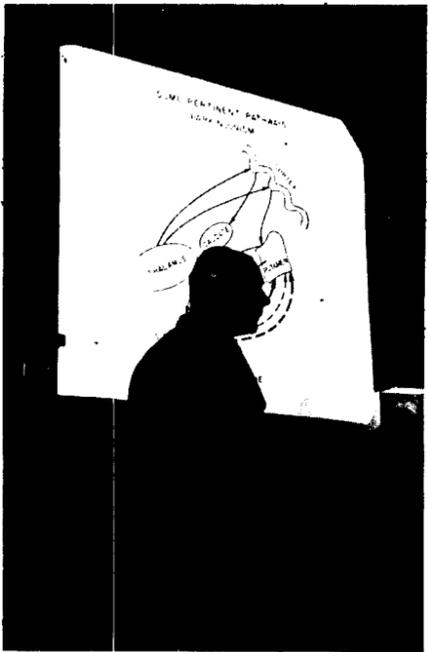
Lt. Cmdr. Hoyman, Head, Phase Forces 3rd Naval District; Lt. Cmdr. Henderson, Commander, Training Center, Huntington; Rear Adm. T.B. Owen, Chief of Naval Research, Washington, and Cmdr. S.J. Tassinari, Grp. Cmdr., BNL Unit, have been invited to participate in the inspection.

Following the inspection there will be a lecture on the Comparison of Contemporary Naval Medicine With World War II by Captain Eugene P. Cronkite of the BNL Medical Staff. Dr. Cronkite, who has just been promoted to the rank of Rear Admiral, plans to show three movies comparing World War II with Vietnam. A brief history of military medicine and surgery will be included in the lecture.

Immediately after the lecture, there will be a cocktail party to which all staff members and their guests are invited. The charge for the cocktail party is \$3.50 per person. Please contact William J. Schneider, Ext. 7758, if you plan to attend the party so that necessary arrangements can be made. Checks should be made payable to Mr. Schneider.



Science Writers See It As It Is



A group of science writers from the Graduate School of Journalism of Columbia University were given an intensive briefing on the latest trends in research at BNL last week. At top left, John Sondericker briefs them on the 80-inch bubble chamber. Upper right, Alden Hinkley, biologist, lectures on the BNL biology program. Lower left, Dr. Paul Papavasiliou describes treatment for Parkinson's disease. Lower right, Frank German of Biology conducts a tour of the controlled environment facility. —Humphrey



Here and There

Dolores del Castillo

The 1969 Particle Accelerator Conference was held in Washington, D.C., March 5-7. Among the invited speakers were H.E. Wegner ("Tandem Accelerators"); G.H. Wheeler ("Proton Linear Accelerators"); M.Q. Barton ("Computers in Accelerator Control Rooms"); and G.K. Green ("Accelerator Power Systems").

Among the authors of papers being presented at the meeting were E. J. Rogers, J.A. Benjamin, K.F. Minati, J.H. Lancaster, E.C. Raka, J.C. Herrera, R. Chasman, A. Benton, J. Claus, A. van Steenberg, G. Rakowsky, C.R. Flatau, U. Vogel, G.H. Morgan, G. Parzen, R. Frankel, C. Stewart, H. Hahn and H. J. Halama.

Others were L.N. Blumberg, G.W. Bennett, J.D. Fox, H.C.H. Hsieh, R. J. Nawrocky, A.V. Soukas, M. J. Lee, H.K. Peterson, R.L. Witkover, J. Keane, R.F. Lankshear, J.F. Sheehan, B. De Vito, A. J. McNeerney, E. Jablonski, V.J. Buchanan, G.S. Levine, W.H. Moore, W.B. Sampson, R.B. Britton, P.F. Dahl, J.P. Blewett, G.T. Danby, J.E. Allinger, J.W. Jackson, L.E. Repeta, A.R. Watts, G.W. Cornish, and E.D. Courant.

G.K. Green and E.D. Courant were Session Chairmen during the Conference.

Among those U.S. patents granted to the AEC last month were No. 3, 427,452, on February 11, 1969, for "Thermoluminescent Heat Stable Lithium Fluoride Dosimeter" by W. J. Hartin (I & HP), and No. 3,429,774 on February 25, 1969, for "Prevention of Seizing in Liquid Metal Environments" by D.H. Gurinsky, R.M. Powers (now separated), and H. Susskind (all of DAS).

George W. London has returned to work in the Physics Department after a leave of absence of 2½ years. During this period, he was working on experimental weak interactions at Ecole Polytechnique in Paris.

Frederick P. Cowan (HP) attended a meeting of the AEC Fellowship Board at Oak Ridge, Tennessee, March 5 through 7.

Hugo Groening of the Venezuela Institute of Scientific Investigations will be with the Chemistry Department for a nine-month visit as a Guest Research Assistant. He will work in association with Garman Harbottle.

Walter Hamilton (Chemistry) gave a Physical Chemistry Seminar, entitled "Structure and Dynamics of Hydrogen-Bonded Systems by Neutron Diffraction," at the Ohio State University.

Julius Hastings (Chemistry) gave a seminar on "Magnetic Critical Scattering" at the Central Research Laboratories of E.I. duPont in Wilmington on February 25.

J.D. Lewin of Rutherford, England, is visiting the Laboratory today for discussions on superconducting magnets.

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Letters To The Editor

Dear Editor:

I am amazed at the statement by the Bulletin Editor and "flower child" that there shouldn't be any crusades in the "Letters to the Editor." But where else can the non-union employee bring his gripes without fear of recrimination.

In the past, employees have brought their complaints about the cafeteria, traffic problems, tree removal protests, etc. to the Bulletin. In most of these cases, successful action usually followed. Therefore, I hope the Bulletin will continue to urge employees to air their complaints in this media. I would like to suggest a "Gripe Column" be included in this wonderful publication. Even tho' the Lab is a great place to work, there are some conditions that could be improved. After all, even the Lab is not perfect.

I would like to commend the Bulletin on its policy of not printing names of letter writers since the average BNL employee is not the professional protester type but the kind that is shy and doesn't desire personal publicity.

"Happy Protester"

The thoughts expressed by Flower Child reflect on those who use crusades to gain respect

For things they feel are subject to neglect.
Like lovely kostar spruces. I object!
Our editor pleads also for the point;
With added limitations, says - Aroint
Epistle writers offering disjoint
Reflections on some hot and timely point.

Crusades awake us all to sorry needs.
How happy we all are when one concedes
Infallible he's not, with care proceeds;
Let's opposition counsel greater deeds.
Don't stifle those who wish to struggle for

Perfection or ideals. Please don't ignore
Estranged co-workers wanting to explore
A better way. I hope there may be more
Crusades. And also hope this rhyming stint
Encompasses a message "fit to print."

W.A. Finn

Dear Sir:

The Pepsi-Cola machine now thinks it is a politician. It recently voted itself a one-third increase in salary. If my salary is increased one-third, to keep pace with obvious rising costs, I will be glad to continue to put my money in the machine. But, since this is not a likely probability, I will no longer purchase two sodas per day. I believe all employees should boycott these machines as a means of showing contempt for unwarranted price increases.

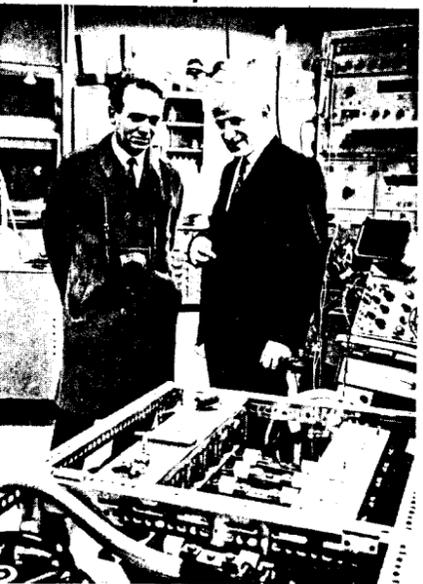
A. Meade

Arrivals & Departures

Arrivals
Alexander A. Kortt.....Biology
Kathleen M. Smith.....Physics

Departures
Richard N. Buteau.....Physics
Sherry A. Hunt.....DAS
Betty J. Nolan.....Personnel
William W. Wilmerton.....PEP

Russians See Superconductors



John Blewett, Accelerator, discusses superconducting magnet instrumentation with I. Semenyushkin of Dubna. The Soviet scientist visited BNL Monday after the close of the National Particle Accelerator Conference in Washington. Other Soviet scientists visited with members of the BNL staff. —Humphrey



In the Metallurgy Lab, William Sampson, (right) explains superconducting experiments to Evgenii Komar (center) and Vladislav Sarantsev (left). Komar headed the Russian delegation to the Washington Conference.

Daddario

(continued)

of our charter and our mission as an integral part of the Congress of the United States. We would, in my view, be derelict to undertake less.

"By the same token, perhaps a special caveat should be added to the effect that undue haste in this effort could prove abortive and leave us with something less effective than what we now have.

"Science and education for science, it seems to me, are something like a countryside of natural shrubs and wildflowers - the total effect of which, though apparently disorganized, is somehow remarkably elegant and beautiful. What we are trying to do is preserve and promote the growth of this countryside. But we must do it by assuring ecological necessities such as adequate but not too much water, prevention of erosion, sufficient minerals, appropriate fauna and the like - not by trying to remake it into a formal garden according to the plan of a single landscape architect.

"Perhaps this sounds simple, but my guess is that it will not be simple at all."

Admission will be by ticket, so get yours early. By the time this issue went to press, more than 300 tickets had already been spoken for, so call the Director's Office, Ext. 2357. The tickets are free.

French Group of BNL

The next meeting will take place at 8:30 p.m., Monday, March 24, at the Brookhaven Conference Center. Mr. Marcel Blistène will return to BNL for his second and last lecture, entitled "Jean Cocteau, Poete de l'Ecran."

A donation of \$1.00 per person will be collected.

Snow Closing

As in past years, Lab employees are urged to listen for closing notices before starting to work on a snowy day. Information on emergency closing due to inclement weather will be carried by the following radio stations:

	AM	FM
WRIV Riverhead	1390	-
WHRF Riverhead	1570	103.9
WPAC Patchogue	1580	106.1
WALK Patchogue	1370	97.5
WLNG Sag Harbor	1600	-
WGSM Huntington	740	94.3
WBAB Babylon	1440	102.3
WGLI Babylon	1290	-
WHLI Hempstead	1100	98.3
WLIX Islip	540	-

Cafeteria Menu

Week Ending March 20, 1969

Friday, March 14	
Clam Bisque Soup	
Ham Steak/Raisin Sauce	.65
Broiled Halibut/Lemon Butter	.65
Fish Cakes/Spaghetti	.65
Pepper and Egg Hero	.60
Monday, March 17	
Green Split Pea Soup	
Corned Beef & Cabbage	.65
Baked Meat Loaf/Mushroom Gravy	.65
Irish Stew/Buttered Noodles	.65
Hot Corned Beef on Rye/Cole Slaw	.75
Tuesday, March 18	
Chicken Noodle Soup	
Baked Swiss Steak/Country Gravy	.65
Pan Fried Liver/Steamed Onions	.65
Spanish Omelet	.55
Bar-B-Q Beef on Roll/Fried Potatoes	.75
Wednesday, March 19	
Beef Barley Soup	
Roast Fresh Ham/Celery Dressing	.65
Baked Macaroni & Cheese Caserole	.65
Baked Polish Sausage/Baked Beans	.65
Meatball Hero	.75
Thursday, March 20	
Yankee Bean Soup	
Pot Roast/Brown Gravy	.65
Baked Stuffed Cabbage	.65
Chicken a la King/Steamed Rice	.65
Sausage & Pepper Hero	.65

Hospitality News

The next regular Hospitality Committee coffee meeting will be held on Monday, March 24, from 10 a.m. until noon in apartment 6-C. Mrs. Barbara Wood, a beauty counselor, will demonstrate make-up techniques.

Everyone is welcome. Make it a point to look your worst - you may be chosen as a model.

In Memoriam

Dr. John Hornbostel, physicist, died March 8, 1969 of a heart attack at his home in Brookhaven. He was 64 years old.

Born in Berlin, Germany, he received his PhD in Physics from the University of Berlin in 1930. Before coming to BNL, he was a research associate at New York University and a physicist for the Thomas A. Edison Company. He joined the BNL Physics Department in May of 1947. His special research interests were in the field of high energy physics. He was a member of the American Physical Society.

Dr. Hornbostel is survived by his wife, Anne; three sons, Valentin, Michael and Peter; a daughter, Mrs. Lise Wallach, and six grandchildren.

Yuan Returns After Talks At Serpukhov

Dr. Luke C. Yuan, senior physicist at BNL, has returned to the Lab after a week-long visit to Serpukhov, in the USSR. While in Russia, Dr. Yuan sent the following letter to the *Brookhaven Bulletin*:

"As a member of a special delegation of five scientists from the U.S., I came to the Institute for High Energy Physics at Serpukhov, USSR, to hold preliminary discussions on the possibility of collaboration of experiments at the 76 BeV accelerator at Serpukhov between the US and the USSR.



Luke C. Yuan

When we arrived at the Moscow airport, on Friday, February 27, the weather was cold but the sky was very clear, and it was very pleasant. We were met at the

airport by Professor Meshcheriakov of the State Committee of Atomic Energy of the USSR and Professor Sulaev of the Institute for High Energy Physics at Serpukhov, the scientific attache of the US Embassy at Moscow and several others, and we were driven directly to Serpukhov which is located about 90 miles south of Moscow.

The drive from the airport to Serpukhov took us about 3½ hours. There was lots of snow on the ground but the road was good and well paved. It was a very pleasant drive and it was quite different from the experience I had before when I came to Serpukhov in 1965 during September.

We are being housed in their guest cottages which are very comfortable, equipped with modern facilities and living room, dining room and kitchen. Our meals are served in the dining room and are prepared by a cook provided by our hosts. The hospitality of our hosts are extremely kind and warm.

Since our arrival at Serpukhov (actually the Institute is located at a newly developed town named Protovino which is a few miles away from the town of Serpukhov) on Friday evening, we have been holding meetings, discussions with the Soviet colleagues here and visiting their accelerator experimental set-ups. We are all very impressed by the spectacular performance of the machine and the fine achievements of their experiments!

We are winding up our talks with the Soviet scientists here by the end of tomorrow (Monday, the 3rd of March) and we will be received by Mr. Petrisians of the State Committee in Moscow on Tuesday before our scheduled return to the U.S."

BNL employees #1 and #2 both have a gross income of \$10,000. #1's gross income is all ordinary income, his taxable income is \$6,600, thus he would pay a tax of \$1,200. #2's gross income consists of ordinary income of \$8,000 and \$2,000 of long term capital gains (of which only \$1,000 is taxable), thus his taxable income is only \$5,600 and he pays a tax of \$1,025 (saving \$175 as compared with employee #1). The effective tax rate on employee #2's capital gains is 9½% (he is in the 19% tax bracket and only ½ of his long term capital gain is taxable - ½ of 19% = 9½%).

We can easily see the advantages of long term capital gain - what about capital losses? Both long and short term capital losses can be offset against capital gains; however, should your losses exceed your gains, only \$1,000 can be used to reduce your income for that year. Assume BNL employee #2, in the example cited above, instead of a \$2,000 gain, lost \$2,500 on one stock transaction and had a \$1,000 profit on another. He now has a net capital loss of \$1,500. Of this \$1,500 loss, \$1,000 is used to reduce his ordinary income of \$8,000. Therefore, he pays a tax based on gross income of \$7,000 and carries the unused portion of his loss (\$500) to the following year's tax return where it is first used to reduce capital gains and then to reduce other income.

If the taxpayer can utilize long term capital gains treatment rather than short term treatment (try to hold investment property six full months, remembering not to count the purchase day as part of the holding period), he may be able to save a substantial amount of money. It's worthwhile thinking about!

When Slo-Ball Starts Can Spring Be Far Off?

In spite of piled up snow that is covering the softball diamonds, the Recreation Office is now accepting entry forms for the 1969 Men's Slo-Ball League. According to George Sabine, Recreation Director, the Softball Committee is aiming for a May 5 opening date.

Teams that were registered last year must apply before the deadline date of April 11. New teams formed this year will have a few more days until April 15. Both old and new teams are urged not to wait, but to file their entry early. Each application must be accompanied by a \$35 team fee. Checks should be payable to the BNL Softball League.

The Softball Committee, which is composed of players from the Slo-Ball Leagues, uses the entry fees for membership in the Amateur Softball Association, special

awards, and for special events such as last year's Family Softball Day.

BERA pays the cost of officials, balls, bats and other incidental equipment. The Association also awards trophies to the league winners.

The softball program has been fashioned for you. All team applications are reviewed by the Committee which attempts to balance the leagues in order to provide equal competition. You need not be a ballplayer to join the fun. Come out for the game and if you like, bring the wife and children.

The Recreation Park is equipped with picnic tables, benches, grills and playgrounds equipment.

If you wish to play and your group is not forming a team, call the Recreation Office, Ext. 391, and submit your name to the Player's Pool from which team assignments will be made.



BERA Softball games are more than an athletic event. Wives, children and hecklers are all part of the fun when the Slo-Ball League gets underway.

Dollars and Sense

Leon Meshel

Capital Gains and Losses by Frank Federmann

A capital gain or loss results from the sale or disposition of a capital asset. A capital asset for most taxpayers is essentially investment property (stocks and bonds) or property held for personal use (personal residence, automobile, etc.).

For tax purposes, a capital gain or loss can be either long or short term. The difference between the two is the length of time the asset is owned prior to disposition. For long term treatment (which is preferable for tax purposes) the asset must be held for at least six full months (the day purchase was made does not count as part of the six months).

The rate at which short term capital gains are taxed is the same as the tax rate on other sources of income. The tax rate for long term capital gains is substantially less than the ordinary tax rate (no more than half). When computing your income tax, only one-half of the net term gain is added to your other income, thus one-half of your gain is tax free. In addition, the maximum tax that can be paid on long term capital gains is 25% as compared to a maximum tax on ordinary income of 70%. Obviously, long term capital gains provide a considerable tax advantage.

The difference between ordinary income and long term capital gains can be illustrated by the following example:

Slo-Break Basketball

by Jack Brennan

Associated League

The undefeated Knacks, scoring 40 points in the second half, smashed Biology 58-25 as Gill with 20, Hoppey with 12 and Fogarty with 10 led the Knack attack. Studier of Biology scored 12 points. The Rat Pack get their last chance tonight to halt the Knacks.

Applied Math outlasted the Old Timers 43-39 to take over third place. Lawrence with 21 and James with 10 led the Math attack.

	Won	Lost
Knacks	5	0
Rat Pack	2	1
AMD	2	2
Biology	1	3
Old Timers	0	4

Universities League

The Highballs, undefeated in the second half, beat Physics 32-24 as Samuelson with 12 and Houston with 7 led the Highball attack. Medical nipped the Stratums 31-29. C. Crump of Medical had 10 and O. Thomas of the Stratums had 18 points.

	Won	Lost
Highballs	5	0
Medical	3	2
Stratums	2	3
Physics	0	5

Bowling News

Irma Carl

Purple League

S & M unlimbered their big guns as three men bowled 500 series: Mike Iarocci 210/211/566; Jack Austen 225/558; and Vinnie Felice 546. Unfortunately they did not gain on the first place Phoubars who are leading them by eight points. The 500 Club for the evening also included Bill Brown 529; Ed Sperry 508; and Dick Vogt 504. Charlie Zavesky almost made the 500 group with a 205/498 and Marshall Bull with a 201/498.

Red League

Sandbaggers and Dimwits are in first and second respectively. R. Wilson rolled a 232, C. Buzzzo 214, G. McGovern 206, R. Larsen 205, J. Jenny 204, J. Sucher 203, and K. Riker 202. R. Nelson still maintaining his high average of 180.

Pink League

First and second positions still nip and tuck between those Medigals and Pinsplitters. The All Toes and Bookies are in a battle relay for their ??respective?? standing, and the good ole Bio Boozers have sole possession of the basement. Near misses are the news this week. Ann Kirkpatrick missed a triple score by one pin and Diana Bartelt missed hers by two pins. Helen Caisey missed her third 200 game by five pins. Better luck next time around, girls.

AEC Movie Makers On Site



A radiation accident is being simulated for movie cameramen in the Brookhaven Medical Research Center. Dr. Robert Love (left) treats the victim, posed by Betty Rauso. Director Robert Keifer (right) checks the scene before the cameras start.

New York Mets

Baseball Ticket Reservations

Beginning Monday, March 17, 1969, ticket reservations will be accepted for BERA Box Seats at Shea Stadium. These excellently located seats are priced at \$3.50. BERA has eight box seats for 51 playing dates. The schedule offers all night games, all Sunday games (including 6 double headers), one Ladies' Night and one Twi-Night Double Header.

Plan ahead - get yours early - the supply is limited.

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

Ticket Practices -

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.



April	
13	St. Louis, S
21	Philadelphia, N
23	Pittsburgh, N
25	Chicago, N
27	Chicago, S**

May	
6	Cincinnati, N
7	Cincinnati, N
9	Houston, N
11	Houston, S**
13	Atlanta, N
14	Atlanta, N
27	San Diego, N
28	San Diego, N
30	San Francisco, N,H

June	
1	San Francisco, S
2	Los Angeles, N
3	Los Angeles, N
4	Los Angeles, N
20	St. Louis, N
22	St. Louis, S**
24	Philadelphia, TWI
25	Philadelphia, N
27	Pittsburgh, N
28	Pittsburgh, N, OT
29	Pittsburgh, S

July	
9	Chicago, N
11	Montreal, N
13	Montreal, S**
24	Cincinnati, N
25	Cincinnati, N
27	Cincinnati, S
29	Houston, N

August	
1	Atlanta, N
2	Atlanta, LN
3	Atlanta, S
15	San Diego, N
17	San Diego, S**
19	San Francisco, N

20	San Francisco, N
22	Los Angeles, N
24	Los Angeles, S

September	
5	Philadelphia, N
7	Philadelphia, S
8	Chicago, N
9	Chicago, N
10	Montreal, N
19	Pittsburgh, N
21	Pittsburgh, S**
23	St. Louis, N
24	St. Louis, N

N Night Game
S Sunday
** Double Header
OT Old Timers
LN Ladies' Night
TWI Twi-Night Double Header
H Holiday

Coming Attractions

- 3/19 **Navy Meeting**
"Comparisons of Contemporary Naval Medicine with WW II"
Capt. E.P. Cronkite
(Brookhaven Center 7:30 p.m.)
- 3/20 **AUI Lecture**
"Shaping the Environment of Federal Laboratories"
Congressman E.Q. Daddario
- 3/24 **Hospitality Coffee** - 10 a.m.-12 noon
Apartment Area Recreation Building

Classified Advertisements

Autos and Auto Supplies

1961 MERCURY WAGON - Colony Park, 9 pass, 300 hp, all power. \$500 (Mfg. suggested list price \$675). Borg, Ext. 2924.

1968 CATALINA PONTIAC - 2-dr hd tp, green with white vinyl top, stereo tape deck, rear defrost, 17,000 miles. Camille, Ext. 2160.

'63 CORVETTE - Parts, 327 engine, rear end, 815x15 tires, bucket seats. D. Durkin. Selden 2-8798 after 6 p.m.

1969 RAMBLER WAGON - 6 cyl, 2 new tires, good cond, needs a few repairs. \$75. 929-4487.

1963 SAAB 96 - New tires, rebuilt engine, r/h, new seats, excel running cond, needs paint. \$350. 929-4487.

1957 CADILLAC - 4 dr, white, has everything, "real clean." \$399. Frank, Ext. 481.

1962 FORD GALAXIE - 2 dr, V8, r/h, ps/pb, new tires, low mileage, excel cond. YA4-3413 after 5 p.m.

1963 DODGE 440 WAGON - Auto trans, perf running cond, needs work on front end and bumper. \$325. C. Kyriakakis, Ext. 567, 281-3984.

66 TRIUMPH - Spitfire MK II, hd tp convertible, wire wheels, r/h, excel cond. Must see. Hogan, 878-2672.

1962 RAMBLER WAGON - New motor job, new brakes, new battery, front end, good tires. Tony, Ext. 2430.

'68 CHEVELLE SS 396 - 350 hp, 4 spd close ratio, 4:11 posi rear, very clean, 8500 miles, mags, guages, tach, reverb. Asking \$2750. 281-8684.

1960 DODGE - 2 dr, 6 cyl, auto, good cond. \$125. Frank Rumph, Ext. 7586, JU8-3565.

1967 RAMBLER AMERICAN - 2 dr sedan, 6 cyl, standard shift, excel cond. Ian Brown, 744-6674.

1966 DUCATI MONZA - 250 cc, 5 speed trans, excel cond. Rose, Ext. 680 or 924-4089.

'63 VW - Std, radio, 59,000 miles. \$500. Owner leaving US. Ext. 2515 (after 6 p.m. Ext. 519). Sato.

1967 HONDA - 160 cc, Scrambler, electric starter, good cond. \$350. SE2-3067.

1967 RAMBLER REBEL - 2 dr sedan, 6 cyl, auto trans, r/h, extras, 20,000 orig mi, excel cond, economical, still under 5-yr new car warranty. \$1475. 732-5829.

1960 FORD FAIRLANE - 2 dr, blue w/white top, 6 cyl, auto. \$125. 281-8444.

Boats and Marine Supplies

1959 EVINRUDE MOTOR - Outboard, 35 hp, w/2 tanks. Fair cond. \$50. 924-3824 after 5:30 p.m.

15' BOAT - Needs some work. \$15. 924-3824 after 5:30 p.m.

8' DINGHY - Incl oars with electric trolling engine, runs on 6 or 12 volt battery. 878-2863.

20' STEEL GARVEY - Plywood deck, new. Asking \$900. Ext. 2908.

24' PEMBROKE - Exp. 135 gray marine, fully equipped, many extras. Full canvas, A-1 cond. \$2400 firm. C.H. Horn, EM3-2042.

Miscellaneous

TRADE - 4 track stereo tap recorder, plays reels & cartridges, orig cost \$350, for stereo record player, approx value \$100. 289-8246.

ICE CRUSHER - Manual, \$2. Men's hockey skates, size 7, \$4. P. Christman, Ext. 7731.

AM-FM TABLE RADIO - Natural wood finish, 2-6" speakers. 21"x8"x6". \$20. Matt, Ext. 7396.

RHEEM HOT WATER HEATER - 30 gal, gas-lined. Good cond. Marie, JU1-2235 after 1 p.m.

STORM WINDOWS - Wood, 2 each, 24"x64"; 6 each, 37"x64". \$5 each. Ext. 2594.

BEDROOM SET - New, white, dbl bed, box and spring mattress, dbl dresser w/mirror, chest and drawer and night table. \$400. Call eves. 281-4528.

PB HARLEY DAVIDSON - W/accessories. \$1500. 281-4528 eves after 6 p.m.

BLITZ-KART - mc 9 eng, live axle, drum brakes, upholstery, slicks, starter. Make offer. Al, Ext. 2592 or LT9-7358.

SCUBA GEAR - Aqualung, regulator, wetsuit, mask, fins, snorkel. All items only slightly used. Asking \$85. A.P. Hull, Ext. 595 or 744-5969 eves.

PROPERTY - 1/2 acre, large trees, 3 blocks from bay, Newport Beach in E. Moriches. 289-3422 after 5:30 p.m.

TOY FOX TERRIERS - Pure breed, 7 weeks old. \$40 each. Cox. 286-0651.

MEN'S SKI BOOTS - Rieker, size 10-wide. Borg, Ext. 2924.

GERMAN SHEPHERD PUPS - 1/4-1/2 collie, own both mother and father, whelped 2/11/69, 3 males and 3 females left from 11. Sandy, 281-5771.

BABY'S CAR-BED - Jump seat, GE electric dish, Playtex nurse set, excel cond. \$12. George, Ext. 7197 or MO5-8686.

TOY POODLES - Silver, 2 males, 1 female. \$75 and up. PA7-1066.

ATTACHMENTS FOR SINGER SEWING MACHINE - Buttonhole and zigzag. Best offer. Marie Weinmann, Ext. 2702.

FIREPLACE WOOD - 325-0567 or 727-0271.

G.E. GRILL & WAFFLE BAKER - Signal light. \$10. Brehm, 744-6885 after 6.

PR. BLOND MAHOG STEP END TABLES - Good cond. Glass tops. \$25/pr. Brehm, 744-6885 after 6.

FLY THE FRIENDLY SKY - Of Long Island where the fun never sets, low-cost introductory flying deal, single or group. Arnold, Ext. 7667, 2413.

GAS COOKING STOVE - 42", white, immaculate, asking \$35 for quick sale. Kazdin, Ext. 7575.

8' ELDORADO CAMPER 1965 - Sink, stove, sleeps 4, will fit on 1/2 ton truck. \$950. HR2-1833.

LABORATORY OSCILLOSCOPE - Heathkit Model O-12; Heathkit Condenser Checker Model C-3, scale probes, wiring DIA, Inst. Man. Excel cond. Ronnie, Ext. 7355.

ELECTRIC 30" RANGE - And refrigerator. Good cond. Reasonable. Olsen, 286-0376.

BEDROOM SETS - Dbl and single beds w/matching dressers. Best offer. Nancy, Ext. 2114; eves. 286-9009.

COLLIE PUPS - AKC, sable beauties. \$30 ea. Nancy, Ext. 2114; eves. 286-9009.

21" ZENITH TV - \$35. Leaving U.S. Sato, Ext. 2515, Ext. 519 after 6 p.m.

TIRE CHAINS - To fit 800x14; never used. Cost \$19, sell for \$10. Ext. 2114; 286-9009 eves.

1964 APACHE EAGLE - Awning, spare tire, ozite carpeting, stove, portable toilet, sleeps 4, good cond. \$425. Call Ext. 7196 or 286-3739.

SKI BOOTS - Ladies, size 7, dbl lace, made in France. Very good cond. Fogarty, AT6-8952 after 5 p.m.

SEASONED OAK FIREPLACE LOGS - Special for this week only. 18" long, 13/\$1. 924-3236.

JEWELRY - Guaranteed, beautifully decorated, does not tarnish. Bonnie, Ext. 2745.

CRIB - Stand size, with mattress and bedding. \$15. G.M. Woodwell, Ext. 2853 or AT6-0798.

SIBERIAN HUSKY PUPPIES - 6 wks old, AKC reg, vaccinated, Vet approved. \$125/ea. Ron, Ext. 584, 928-1398.

NORELCO ELECTRIC RAZOR - 3 floating heads, pop-up trimmer. New, never used. \$20. Lloyd, Ext. 2994.

Houses

PATCHOGUE - 3 bdrm ranch, att. garage, full basement, oversized dbl garage, lg landscaped corner lot, many extras. W. Homer, GR5-4597.

BROOKHAVEN - Contemporary ranch, wooded 1.3 acres, 24'x18' liv rm, cathedral ceiling, fireplace, din rm, 3 bdrm, 2 baths, all appliances, drapes, carpet. \$34,000 firm. AT6-2265.

RIDGE - 4 bdrm, 2 1/2 acres, 2 miles from Lab. \$17,500. Ext. 2283.

SHIRLEY - 4 bdrm, lg rec rm, w/w carpet in liv rm, balcony, steps in bdrm, breakfast bar w/swivel stools in kitchen, garage & basement. \$17,500. Eves. 281-4528.

BELLPORT VILLAGE - 2 yr old spacious colonial, near everything, 4 bdrms, 2 1/2 baths, fam rm, din rm, mud rm, dble garage, basement, deck, wooded, 0.8 acre. \$31,800, AT6-8724.

BELLPORT - Maple Ave, 3 bdrm ranch, lg liv rm, eat-in kitchen, full basement, oversized garage, deep beautifully treed lot. \$16,900. Ext. 572.

For Rent

2 BEDROOM - Liv/din rm, electric kitchen, all utilities. \$150/mo. 744-9361 after 6:30 p.m. Mon thru Thurs.

Wanted

TO RENT - 2-3 bdrm house, furn preferred, June occupancy. J. Gilat, Ext. 2560 days, Ext. 7709 eves.

Classified Ad Policy

Deadline is 12 noon Friday for publication the following Thursday.

- The Brookhaven Bulletin classified section may be used only by active and retired Laboratory employees.
- All items for sale or rent must be the advertiser's property.
- Persons listing houses, apartments, or rooms for sale or rent, do so with the understanding that these must be available without regard to race, creed, color, or national origin.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Ads should be restricted to 20 words or less and typed

or printed on the form provided, and must bear the employees signature.

6. Ads not carried because of space restrictions will be held for publication in the next issue.

7. Ads are run only once and must be resubmitted if they are to be repeated.

8. Firearms offered for sale or trade may not be brought on site.

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

(Name & Phone No. To Call)

If this ad concerns housing for sale or rent, such housing is available without regard to race, creed, color, or national origin.

Employee's Signature Life No. Ext.

Send to: Brookhaven Bulletin, 40 Brookhaven Avenue