



Lawrence Award to Joseph M. Hendrie

Dr. Glenn T. Seaborg, Chairman of the Atomic Energy Commission, announced yesterday that Dr. Joseph M. Hendrie, Associate Head of the Engineering Division in the Department of Applied Science at BNL, has been named one of five recipients of the E.O. Lawrence Memorial Award for 1970.

The five scientists were honored for recent meritorious contributions in the field of atomic energy. Each will receive a gold medal, a citation and \$5,000.

In addition to Dr. Hendrie, those who will receive the award are:

Dr. William J. Bair, Manager of Biological Department, Pacific Northwest Laboratory, Richland, Washington.

Dr. James W. Cobble, Professor of Chemistry since 1961, Purdue University, Lafayette, Indiana.

Dr. Michael M. May, Director of E.O. Lawrence Radiation Laboratory at Livermore, California.

Dr. Andrew M. Sessler, member of the accelerator theory group, Lawrence Radiation Laboratory in Berkeley.

The awards, made by the Commission on the recommendation of its General Advisory Committee, will be presented by Dr. Seaborg and other Commissioners, on May 11, 1970, in the Ernest O. Lawrence Hall of Science at the University of California in Berkeley.

This is the eleventh year that five young scientists have been named to receive the award, which was established by the Commission in December 1959 to perpetuate the memory of the late Dr. Ernest O. Lawrence, inventor of the cyclotron and Director of the Radiation Laboratory at Berkeley and Livermore. The Laboratory now bears his name and is operated under contract for the Commission by the University of California.

Dr. Hendrie's citation reads:

"For his outstanding contributions to the physics and engineering of versatile research reactors and for important contributions and recognized leadership in promoting the safety of large power reactors."

The award is made to not more than five recipients in any one year in the amount of not less than \$5,000 each and not more than a total of \$25,000. It is made in the spring of the year to men and women not more than 45 years of age who are citizens of the United States and who have made recent, especially meritorious contributions to the development, use, or control of atomic energy in areas of all sciences related to atomic energy, including medicine and engineering.

Dr. Hendrie was born in Janesville, Wisconsin, on March 18, 1925. He received his B.S. in Physics at Case Institute of Technology in 1950 and his Ph.D. in Physics at Columbia University in 1957. After working for several years in the Columbia University Laboratory, he joined the staff of Brookhaven National Laboratory, as an assistant physicist in 1955. He was appointed physicist in 1960.

Dr. Hendrie made outstanding contributions in reactor engineering, in experimental physics, in the development of research reactors and in advancing the safety of large power reactors. His accomplishments include significant investigations on the diffusion properties of thermal reactors and of the deleterious effects of plutonium buildup on the temperature coefficient of the graphite-uranium reactor.

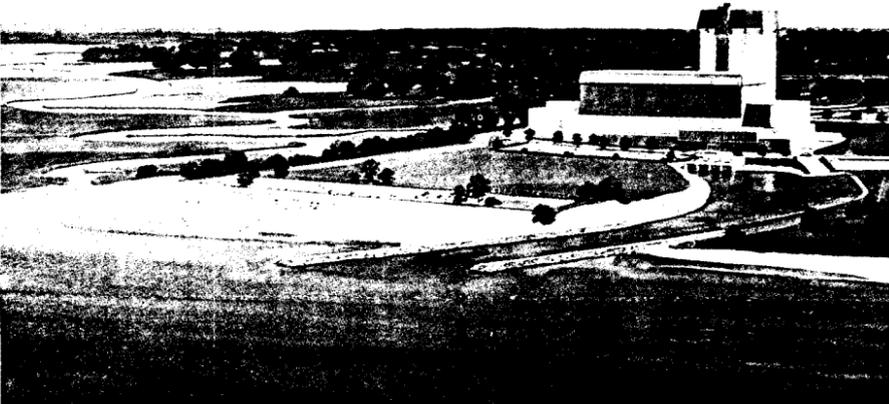
He directed the design, construction and operation of the High Flux Beam Reactor at BNL. The HFBR has become one of the most fruitful research reactors in the world in the area of low energy neutron physics.

His many contributions to reactor safety, particularly to the safety of large commercial power reactors, have been made principally through his membership for many years on the Advisory Committee on Reactor Safeguards; he is presently serving with great distinction and effectiveness as its chairman.

Shoreham Power Plant Hearing



Members of the Atomic Safety and Licensing Board seated on the stage of the Rocky Point School conduct a preliminary conference on the 13th of March. Members of the Board are: (left to right) Dr. A. Dixon Callihan, Oak Ridge, Tennessee; Chairman Jack M. Campbell, New Mexico attorney; Dr. Hugh C. Paxton, Los Alamos Scientific Laboratory; and Alternate Technical member of the Board, Dr. John Geyer, Johns Hopkins University. Public hearing of the application was put off till May 25.



Artist's conception of the proposed Shoreham Plant of the Long Island Lighting Company. The company proposes to put a bathing beach on the strip of land in between the power plant and Long Island Sound.

Shoreham Hearing Postponed To May

A Lloyd Harbor conservation group has been given the sanction of the AEC to actively participate in a hearing on a proposed nuclear power plant in Shoreham, leading to the possibility that the controversial issue of thermal pollution may become part of the hearing.

The hearing on the proposed LILCO nuclear facility at Shoreham has been postponed by the AEC from the scheduled date of March 31 to May 25. This action gives the Lloyd Harbor group an opportunity to prepare arguments against a federal license for the plant, and to produce witnesses who will testify about the alleged dangers of a nuclear facility.

On March 13 a preliminary session was held at the Joseph A. Edgar School in Rocky Point, at which the AEC's three-member licensing board worked out agendas and scheduled witnesses for the hearing. Jack M. Campbell, Chairman of the Board, announced that the Commission had decided to permit the Lloyd Harbor Study Group, Inc. to become legal intervenors. This gives them the right to participate in the hearing, to question experts, and to present testimony against AEC approval for the proposed plant. Campbell also gave the New York State Atomic Energy Council the right to intervene, but a spokesman for the state agency said that it would participate in the hearing only if the subject of thermal pollution was part of the consideration.

Any discussion of thermal pollution - the discharge of heated water into the Long Island Sound - had earlier been ruled out by the AEC. However, William Carl, president of the Lloyd Harbor group, filed a brief with the AEC in which he noted that the 1969 National Environmental Policy Act charged federal agencies with the responsibility for considering any pos-

sible damage to the environment as a consequence of any federally approved projects. According to Campbell, the Atomic Energy Commission will make a policy decision on the Environmental Act within two weeks.

Science Teachers Here For Environment Talks

In view of the current interest in the environment, the more than 250 members of the Suffolk County Science Teachers Association have been invited to a special program "Environmental Research at Brookhaven National Laboratory" next Monday, March 23, in Berkner Hall.

The Suffolk County Science Teachers Association felt that their members should be more aware of the research now going on and obtain a broader viewpoint on what environmental research involves. This information could then be transmitted more objectively to their students in general, in addition to providing a better foundation for counseling those students who may be interested in a career in environmental research.

Chairman of the program is Dr. J.B.H. Kuper. Panelists include Dr. F.P. Cowan, Acting Chairman of the Instrumentation and Health Physics Department, who will talk on "Environmental Problems Related to Radioactive Effluents;" Dr. M.E. Smith, Head of Meteorology, who will talk on "Particles in the Atmosphere;" and B. Manowitz, Head of the Radiation Division, DAS, who will talk on "Atmospheric Diagnostics."

All of the subjects involve areas in which Brookhaven is directly conducting research at the present time. Following the panel talks, the science teachers will have an opportunity to ask questions.

Richard L. Garwin 12th AUI Lecturer

Dr. Richard L. Garwin, IBM Fellow at the IBM Watson Laboratory at Columbia University, will be the 12th AUI Distinguished Lecturer at BNL on Thursday, April 2.

Dr. Garwin, on the eve of the resumption of strategic arms limitation talks (SALT) in Vienna, will review developments on this subject from several different angles, ranging from the array of strategic weapons, both offensive and defensive, to possible outcomes of SALT.

The capabilities of the present forces; near and long-term possible modifications of these forces; alternative strategies and their purposes; and possible attitudes regarding other countries will also be discussed. A 16 minute movie film will serve to make vivid an otherwise abstract discussion of the above subjects.

Richard L. Garwin, a native of Cleveland, born in 1928, graduated from the Case Institute of Technology in 1947. He received his Master's degree in 1948 and his PhD in Physics under Enrico Fermi in 1949 at the University of Chicago. From 1949 to 1951 he was instructor in Physics, and in 1952 Assistant Professor in the Department of Physics and at the Institute for Nuclear Studies at the University of Chicago.



In 1952 to 1965 and 1966 to the present, he was a member of the Senior Staff of the IBM Watson Laboratory at Columbia University, and since 1957, Adjunct Professor of Physics at Columbia University. 1965 to 1966 he was Director of Applied Research at the IBM Thomas J. Watson Research Center at Yorktown Heights. From 1967 to present he has been IBM Fellow at the IBM Watson Laboratory.

Dr. Garwin is a member of the National Academy of Sciences and a Fellow of the American Physical Society and a member of Sigma Xi. He has been a member of the President's Science Advisory Committee and a member of the Defense Science Board. He serves as consultant to many departments and agencies of the federal government.

In 1969 he was made a fellow of the American Academy of Arts and Sciences.

Concert Tonight

Raphael Hillyer, violist, will be the featured artist on the BERA Concert Series presentation tonight at Berkner Hall. The concert will start promptly at 8:30 p.m. Tickets may be purchased at the door for \$3.00 for adults and \$1.50 for children. Nonemployee guests are \$3.50 each.

Free Lunches For Four

Lunch customers on Hawaiian Day, March 26th, will participate in a drawing of lucky tickets. Tickets issued by cashiers are to be filled out and deposited in a drawing box. Winners, two ladies and two men, will be selected by a drawing Thursday afternoon. They will be entitled to free lunches during the week of March 30. Winners need not be present at the drawing, and will be notified by phone.

Brookhaven Council



Members of the 1970-71 BNL Council elected from the tenure staff to advise the Director on various aspects of Laboratory policy concerning the scientific staff program and plans. Seated: left to right - J.M. Olson (Biology), T.F. Kycia (Physics), V.J. Emery (Physics) - Chairman, M.L. Perlman (Chemistry) - Secretary, D.C. Borg (Medical). Standing: R. Steele (Biology), G.A. Price (Applied Science), J.G. Cottingham (Accelerator), J. Fischer (Instrumentation & Health Physics), N. Sutin (Chemistry), L. Stang (Applied Science), S.H. Cohn (Medical). Missing from the picture: H. Hahn (Accelerator), J. Hastings (Chemistry), A. Schwarzschild (Physics).

Dowd To Speak Friday At Brookhaven Center

Douglas Dowd, Professor of Economics at Cornell University, will speak Friday on the economic impact of the United States involvement in Southeast Asia. This non-official meeting, open to all laboratory employees, who may invite their families and personal friends on this occasion, will begin at 5:15 p.m., Friday, March 20, in the North Room of the Brookhaven Center. The Brookhaven Moratorium Committee, sponsor of this meeting, encourages everyone to remain after Professor Dowd's address for open discussion and refreshments.

Since leaving the University of California in 1953, Professor Dowd, who has been a Guggenheim and a Fullbright Fellow, has been teaching at Cornell University. The author of numerous books and articles, Professor Dowd has a broad interest in economics and its relation to politics and history in Europe, in the United States, and in the underdeveloped countries. Among his most recent books are *Thorstein Veblen*, and *Modern Economic Problems in Historical Perspective*. He has edited and contributed to *America's Role in the World Economy*.

Professor Dowd is presently interested in multi-disciplinary approaches to complex social problems such as poverty and civil rights, and he has participated in experimental inter-disciplinary courses of this type at Cornell. His interest in social problems is illustrated by another of his recent books, written with Mary Nichols, *Step by Step*, a concise handbook for people working at Voter Registration drives.

Professor Dowd's interests in the history, politics, and economy of both underdeveloped countries such as Vietnam, and developed countries such as the United States has led him to become active in the New Mobilization Committee to End the War in Vietnam. He has been one of the six national Co-chairmen of this committee since the summer of 1969. It is these interests that qualify him to give a thoughtful and thorough analysis of the impact of the Vietnam War on the economy of the United States both domestically and in the world spheres.

Because of the current nature of this meeting, and the early hour of its presentation, it is suggested that participants come early so that the meeting can start promptly.



Arrivals & Departures

Arrivals

None

Departures

- Charles J. Abbene.....Instr. & H.P.
- William Alster.....Central Shops
- Francis J. Dacey Jr.P.E.P.
- Merrill V. Hughes.....Central Shops
- Anatoly Kandiew.....Applied Math.
- George S. Lowe.....P.E.P.
- Charles A. Malgrat Jr.P.E.P.
- Harmon A. Oliver.....Central Shops
- Eugene A. Robinson, Jr.Physics
- Harry von Knoblauch.....Applied Math.
- Stephen J. Wachtel.....Applied Science

Here and There

Claire Lamberti

Frederick P. Cowan (Health Physics) attended a meeting of the AEC Health Physics Fellowship Board at Oak Ridge, Tenn., March 5-6.

M.M. Small (PE&P) attended the AEC Contractors' Plant Engineering Meeting at Lawrence Radiation Laboratory, Berkeley, on February 24 and 26; he visited the Richmond Field Station, University of California, on February 27.

Gilbert S. Raynor (I&HP) attended the 26th Annual Congress of the American College of Allergists in Miami Beach, Florida. This meeting of more than 600 doctors specializing in the treatment of allergies of children and adults also covered air pollution, and a variety of other topics.

Arnold H. Sparrow and Lloyd A. Schairer (both of Biology) participated in a NASA/AIBS sponsored meeting on Biosatellite II: Final Results and Discussions re: Future Projects.

John Yandell has taken up a Research Associate appointment in the Chemistry Department with Norman Sutin. Before coming to Brookhaven, Dr. Yandell was a postdoctoral fellow at the University of Adelaide in Australia, where he received his doctorate, and also at the University of Leicester in England.

The Scintillation and Semiconductor Counter Symposium, held at the Shoreham Hotel, Washington, D.C., March 11-13, was attended by several members of the Instrumentation Division. The Committee members included R. Chase, Chairman of the Program Committee; S. Wagner, Vice Chairman of the Symposium Committee; and H.H. Cooke. Papers were presented by J. Llacer, V. Radeka, B. Soucek, and H.W. Kraner. J. Fischer, S. Shibata, and S. Rankowitz also attended the Symposium.

A Ski Shark?



By vocation, Dr. Arland Carsten is a medical researcher who works in the warm waters of Bimini cataloging the effects of radiation on shark brains. Carsten's avocation is skiing, a hobby he took up since first coming to Brookhaven. This winter while attending the Annual meeting of the Electroencephalogram Association in Montreal, he won the Association's trophy for downhill skiing. A ski meet has been a part of the annual meeting of this scientific society for a number of years. Dr. Carsten will retain the silver trophy until next year at the EEG Associations next annual meeting.

Dollars and Sense

Frank Federmann
Your New York State
Income Tax Return

In this era of high taxes, New York State contributes substantially to our "tax problem." The state levy ranges from 2% to 14% of "New York State taxable income." This article discusses what constitutes "New York State taxable income," and which tax form should be used in filing your state tax return.

In determining state taxable income, the taxpayer should begin with "adjusted gross income" from his federal income tax return (form 1040, item 15c). To this amount he should make the following adjustments:

Items to be **added** to federal income:

1. Interest which is exempt for federal income tax purposes, but is taxable for state purposes. (Interest on state or municipal bonds - other than New York State and its subdivisions.)

2. State income taxes deducted in arriving at federal adjusted gross income.

Items to be **subtracted** from federal income:

1. Interest which is exempt for state income tax purposes but taxable for federal purposes (interest on U.S. Savings Bonds).

2. Pensions to employees of New York State, its subdivisions (cities, counties, etc.) or agencies (Port Authority, etc.), taxable for federal purposes.

3. Refund of state income tax included in federal gross income.

4. Since the revised New York State income tax law went into effect December 31, 1959, profits earned prior to that date are not taxable. Consider the following:

Stock purchased in 1950, at cost	\$1,500
Value at 12/31/59	
(cannot be lower than cost)	2,500
Sold in 1968 for	3,000
Profit taxable for NYS purposes	
(sales price less cost less profit earned prior to 12/31/59)	\$500

Federal income tax rates are lower for married taxpayers than they are for single taxpayers. New York State income tax rates are uniform for all taxpayers. Therefore, it usually pays for married taxpayers (where husband and wife each have income) to file separate state returns. New York State income tax form IT-208 allows the taxpayer to receive the benefits of separate returns, while only filing one form. If the taxpayers have itemized their federal return, they may itemize their state return (remember to add life insurance premiums paid up to \$150 per taxpayer and to subtract state income taxes deducted on itemized federal return). The itemized deductions may be apportioned between the taxpayers as desired. Each taxpayer must take his own personal \$600 exemption, additional exemptions (for your children and other dependents) must be taken by the taxpayer who would have taken them if he or she filed a separate federal return.

Consider the following example:

	Total	Husband	Wife
Income	\$11,000	\$8,000	\$3,000
Itemized deductions	(2,000)	(2,000)	
State income tax	400	400	
Life Ins. Premiums			
paid in 1968 \$150			
for husband and \$50			
for wife	(200)	(200)	
Exemptions (taxpayer, spouse, and three children)			
4 x \$600			
1 x \$600	(3,000)	(2,400)	(600)
Taxable income	\$ 6,000	\$3,800	\$2,400

If the taxpayers were to file a joint state return, they would be taxed on \$6,200 and pay \$195. However, if they filed separate returns (form IT-208), their tax would be \$150 (the husband's tax would be \$100 and his spouse's tax would be \$50). A savings of \$45 resulted from selecting the proper tax form.

Hospitality News

The next Hospitality Committee coffee meeting will be held on Monday, March 23, from 10 a.m. until noon in apartment 10-C. Amelita Llacer has agreed to present a cake decorating demonstration at this meeting.

Everyone is welcome to attend. Bring the children.

Published Weekly for the Employees of Brookhaven National Laboratory

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Letters To The Editor

Dear Sir:

Ever since I've turned 30, I've been suffering from some kind of identity crisis. You know the kind: who am I? where am I going? what does it all mean? and so on.

Also, as an embittered reject of the "now" generation, I have sought retaliation. For example, I mock my aged peers who cultivate that Woodstock look and try to swing their arthritic bones. They're usually the same ones who'll don bell-bottoms, apache ties, and ruffled shirts. And adding insult to injury, certain designers are now forcing the "uni-sex" look on us desperate pasture cases.

For this reason, I'm writing to clarify an apparently little known fact. Tony, with a "y" is masculine; Toni, with an "i" is feminine. They are not interchangeable; but like the basic relationship they describe, only beautifully complementary.

Please leave me my ego, little else matters. Also, I will not answer if I'm called Toni again.

Appreciatively,

Tony (with a "y") Nappi

Dear Sir:

Many vehicles, lab and private are allowed to stand with engines running at idling speed. For several reasons this is bad and should be prohibited.

1. Air pollution occurs unnecessarily.
2. The engine loads up with carbon, varnish, lead deposits and water in the crank case.
3. Engine fuel is wasted.
4. Unauthorized persons have the opportunity to use the vehicle, hence it is dangerous.
5. N.Y. State Motor Vehicle Laws prohibit keys being left in the ignition. This law should be enforced on site.

An added observation which would contribute to lessening air pollution is this: all muffler tail pipes should discharge downward. This would result in the exhaust, particulate matter striking the ground and largely being retained there. Also some volatiles might condense on the ground.

James C. Eichacker, DAS

333 - Fire Emergency
444 - Police Emergency
555 - Medical Emergency

Cafeteria Menu

Week Ending March 26, 1970

- Friday, March 20**
New England Clam Chowder
Codfish Cakes/Spaghetti Italiane
Salisbury Steak/
Onion Sauce/Vegetable .77
Fish 'n' Chips/Tartar Sauce
- Monday, March 23**
Cream of Tomato Soup
Beef Stew on Buttered Noodles .80
Cream Chicken on Rice w/Jelly .75
Beef Loaf/Brown Gravy/Mashed Potatoes .77
Baked Macaroni & Bacon Strips w/Vegetable .77
- Tuesday, March 24**
Beef Barley Broth
Veal Parmigiana w/Vegetable .84
¼ Roast Chicken/Stuffing/Giblet .75
Gravy/Cranberry Jelly
Baked Macaroni & Bacon Strips w/Vegetable .77
- Wednesday, March 25**
Cream of Mushroom Soup
London Broil/Mushroom Sauce/
French Fries .85
Swedish Meatballs on Rice .75
Ravioli w/Parmesan Cheese .70
- Thursday, March 26**
Hawaiian Day Special \$1.35

- Pineapple Juice or Mulligatawny Soup
Choice of
1 - Baked Ham Hawaiian & Sweet Potato
2 - Fried Flounder Stuffed w/Crabmeat & French Fried Potatoes
3 - Chicken Polynesian & Oriental Vegetables
Choice of
Banana & Orange Ambrosia -
Pineapple Tidbits
Pineapple Upside-Down Cake
or Lime Jello w/Pineapple

Period Of Adjustment Opens



Isabel Haverstick (Carol Celentano) tells off her husband and his friend as they try to straighten out her marital thinking in *Period of Adjustment*.



Isabel ignores her husband at the bar as she talks to Ralph during Act II.



Businessman-Father-in-law Mr. McGillicuddy (Gerhart Friedlander) is appalled by the actions of his son-in-law.



Oh! Daddy! I miss you! is the only thing that Isabel can say when she talks to her father the day after her wedding to George Haverstick. Ralph (Anthony Nardi) tries to get her to talk sensibly.



George Haverstick (right) as played by Richard Silberglitt, explains to Ralph Bates (played by Anthony Nardi) about his plan for raising cattle in Texas. Photos by Rosen

Adjustment To Comedy

by Carl R. Thien

It's a long way from the *Rose Tattoo* to *Period of Adjustment*. Thomas Lanier Williams made his reputation on plays that emphasized the vitality of life in its sordid as well as poetic aspects. In *Period of Adjustment*, Williams must have been in a rare jovial mood when he skillfully constructed the play.

It was a pleasure to be able to laugh heartily during *Period of Adjustment*! At first, it was hard to get used to not looking for the social or moral message, but before the end of the first scene the audience had gone through their period of adjustment and were revelling in the uniqueness of enjoying a Tennessee Williams comedy.

Ralph Bates, as portrayed by Anthony Nardi, was every inch the war hero that he was supposed to be. He was completely in command of the stage each time he appeared. There was no confusion in the audience as to who deserved the longest ovation at the time for curtain calls.

Carol Celentano and Richard Silberglitt earned second honors during the curtain calls for their masterful job of transition from buffoonery at the start of the play to a tender seriousness at the final curtain.

Gerhart Friedlander and Jackee Kelly, as the interfering in-laws, stormed on stage as only the older generation can do. Their portrayal of the Williams' characters was delightfully authentic.

Julie Peierls played the pathetic wife of the dynamic war hero with just the right touch of wistfulness. Ann Miller was the quiet efficient maid, and Daniel Glass, Jr. had a few brief moments on stage as a policeman. Phoebe Goodheart, who played a dog, was completely atypical of animal actors - she did not steal the scene, but just gave a good portrayal as a dog.

Lighting and sets were up to the near-Broadway standards that have been set by previous BNL plays. Outside, inside and inner room transitions were smooth and logical.

All in all, Lu Zavesky is to be congratulated for a smooth-running presentation of a difficult play. But what else can you expect from a woman who has seven children and a husband to cope with when not directing a like number of characters in a Tennessee Williams play?

Slo-Break Basketball

by George Latham

Last Thursday night the Knacks and the Dirty Dozen played to break a Second Half tie, each having a 5-1 won-lost record. The Dozen started well and led through most of the First Half. However, the Knacks won, going away 62-36. Bob Casey, Bob Jansson and Jim Hooper were all in double figures for the Knacks. Lou Snead had 12 points for the Dozen.

In the Universities League, the Tandems downed Medical 39-32. Biology got a forfeit from Physics.

**Associated League
(Second Half Final)**

	Won	Lost
Knacks	6	1
Dirty Dozen	5	2
Highballs	2	4
AMD	0	6

Universities League

Tandems	5	0
Biology	3	1
Chemistry	2	2
Physics	1	4
Medical	0	4

Soccer

M.T. Hutchings

As soon as it gets a little warmer we'll be practicing outside again on Saturdays as well as Monday nights in the Gym (7:30 p.m.). Our spring program of fullscale Intra-Laboratory games will commence as soon as all you players wake up from your hibernation! This program will be spiced with occasional games against outside teams.

Fisctures for:

- April 4th Staten Island CC
- April 11th Southampton College

Come along - now is the time to get fit again!

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 concert by pianist Edward Auer, and a speech by U.S. Senate Candidate Paul O'Dwyer, scheduled from Friday, March 20, through Sunday, March 29. Unless indicated, admission to events listed is without charge.

Sunday, March 22

The University Orchestra under the direction of David Lawton will present a program of music by Wagner and Hayden at 8:30 p.m. in the Woman's Gym.

The film, "MacBeth," will be shown at 8:30 p.m. in the lounge of Henry James College.

Pianist Doris Ann McMullen will present a concert at 8 p.m. in the lounge of Cardozo College.

Monday, March 23

The "Empire Builders," by the late Boris Vian, exponent of the Theatre of the Absurd, will be presented by the University Theatre Arts Department at 8 p.m. in the University Theatre. Tickets are \$1.

Pianist Charles Rosen, Performing Artist in Residence at Stony Brook, will lecture on "Music and the Arts: The Attack of Tradition in the Twentieth Century," at 7 p.m. in Room 102 of the Lecture Center.

Tuesday, March 24

Pianist Edward Auer will present a concert, featuring works by Mozart, Chopin, Ravel, and Schoenberg, at 8:30 p.m. in Room 100 of the Lecture Center. Tickets are \$2.50.

The Reston Trio will perform works by Schubert, Beethoven and Bartok at 9 p.m. in the Stony Brook Union Cafeteria.

Dr. Oliver Schaffer, Chairman of the Department of Earth and Space Sciences at Stony Brook and a Principal Investigator for NASA on the moon rocks, will speak on "The Conquest of Space," at 7 p.m. in Room 100 of the Lecture Center.

Wednesday, March 25

The film, "Experiment in Terror," will be shown at 8 p.m. in the lounge of O'Neill College.

Tenor Andrew White, Chairman of the Department of Germanic and Slavic Languages at Stony Brook, will sing and explain the German Romantic Lied, "Die Winterreise" by Schubert, at 8 p.m. in Room 102 of the Lecture Center.

African Poet Kofi Awoonor, Professor of English at Stony Brook, will lecture on "African Culture" at 7 p.m. in Room 100 of the Lecture Center.

Tix For Champs Still Available

Ticket reservations for the Mets ball-games are going at a steady pace at the Recreation Office. If you want to see the "champs" play ball during the early summer, now is the time to make plans.

Some seats are still available for the following dates during the months of May and June.

May	June
5 Los Angeles	14 Atlanta
6 Los Angeles	16 Cincinnati
7 Los Angeles	17 Cincinnati
8 San Francisco	20 Philadelphia
11 Montreal	21 Philadelphia
26 St. Louis	29 Pittsburgh
27 St. Louis	30 Pittsburgh
29, 30, and 31 Houston	

The Recreation Office is open from 9:00 to 1:00 each working day to take your orders.

Rifle and Pistol Club

The regular monthly meeting of the BNL Rifle and Pistol Club will be held at the Recreation Building on March 17, 1970, at 5:10 p.m.

Announcement has been made that BERA will again sponsor a Rifle and Pistol team in The National Industrial Recreation Association Competition for 1970. Further details and program will be discussed.

Holiday Pool Schedule

Starting on Wednesday, March 25 and continuing through Friday, April 3, the Swimming Pool Schedule will be as follows:
12:00 noon - 1:30 Employees Only
1:30 p.m. - 9:30 Employees/Family/Visitors

Family Camping Meeting

The Brookhaven Family Camping Club will meet tonight, Thursday, March 19, at 8 p.m. in the Recreation Building in the Apartment Area. The program for the evening will include slides of a trip to Los Alamos, New Mexico, and a discussion of plans for trips this year. Everyone is invited to attend this meeting.

Bowling News

Irma Carl

Purple League

Designers knocked off the Electrons and now lead them by six points with five weeks left in the season. Ed Sperry helped the Designers with a 198/524 series aided by Joe Cuccia's 193/523. Other 500 bowlers included John Lauber 202/520; Vinnie Felice 191/507; Stan MacCormack 178/506; Mike Guacci 202/505; and Bob Eberbach 184/502.

Red League

The Bio Rads have the edge on first in this tight second half. R. Bone rolled an even 200; R. Wilson 201; S. Kiss 205; B. Brehm 206; F. Flannery 210; and C. Buzzeo 213.

Rose League

Dot Ripperger made the 5/10 split. Louise Russo rolled a 167 while Kit D'Ambrosio rolled 168/160/483; Alice Alberico 182; Mary Heine 170 and 198. Two Unmentionables each bowled an unmentionable game (but if they combined their almost equal scores it would have made a worthy mention of 175!!!).

Pink League

The Hopefuls maintain their two month hold on first place. Bowling scores in the 160's were prominent for the night. High series of 492 was claimed by Mona Vitale with Flow Weiss (482) close behind. The Bioboosers relinquished their cellar rights to the Fiscal Assets by one point!!!

Mixed Volleyball

The March 9th results:	Wins	Losses
Jets	11	4
Nets	11	4
Mets	5	10
Bouncers	3	12

The way things are going, I don't know if all the teams are going to last two more weeks! The lack of team spirit is showing in more than one way. Put a little love in your heart, then come play volleyball.

-Lorraine Osterer

IBEW To Meet

A General Meeting of Local 2230 IBEW will be held on March 26, 1970 at the K. of C. Hall, Railroad Avenue, Patchogue at 8 p.m. The agenda will consist of general business plus reports of various committees.

Classified Advertisements

Positions Available

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

SUPERVISOR-MACHINE SHOP - Physics Department, Virginia Polytechnic Institute, Blacksburg, Virginia.

SUPERVISOR-ELECTRONICS SHOP - Physics Department, Virginia Polytechnic Institute, Blacksburg, Virginia.

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

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

MAINTENANCE MECHANIC - Cold Spring Harbor Laboratory of Quantitative Biology, Cold Spring Harbor, New York.

TYPIST (EVENINGS) - Physical Review, Brookhaven National Laboratory.

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

BACTERIOLOGIST - Suffolk County Department of Health, Riverhead, New York.

PUBLIC HEALTH ENGINEERS (Civil or Chem. Eng. degree) Suffolk County Department of Health, Riverhead, New York.

SECRETARY - H.S. Roberts, Inc., Westhampton Beach, New York.

CHEMIST - Lauman Laboratories, Inc., Bethpage, New York.

CLERK/TYPIST - Thomson Industries, Inc., Port Washington, New York.

MACHINISTS (punch press leadman, injection molding man and punch press operators) - Thomson Industries, Inc., Port Washington, New York.

TECHNICIAN/FROGRAMMER - General Telephone & Electronics Laboratories, Inc. Bayside, New York.

GROUP MANAGER, ANALYTIC STUDIES - General Telephone & Electronics Laboratories, Inc., Bayside, New York.

SECRETARIES/TYPISTS - General Telephone & Electronics Laboratories, Inc., Bayside, New York.

LOGIC DESIGN - General Telephone & Electronics Laboratories, Inc., Bayside, New York.

CHEMICAL TECHNICIAN - General Telephone & Electronics Laboratories, Inc., Bayside, New York.

BIOLOGICAL TECHNICIAN - General Telephone & Electronics Laboratories, Inc., Bayside, New York.

ELECTRICAL ESTIMATOR - Charles A. Mulligan, Inc., Central Islip, New York.

ELECTRICAL DRAFTSMAN - Charles A. Mulligan, Inc., Central Islip, New York.

VACUUM TECHNICIAN - Alloys Unlimited, Inc., Melville, New York.

ENGINEERS - (E.E.'s, M.E.'s, C.E.'s) New York Telephone Company, New York, New York.

ELECTRONICS (ALL LEVELS) - Telephonics, Huntington, New York.

SALESMEN - The Union Labor Life Insurance Company, Melville, New York.

LABORATORY TECHNICIAN - Health Sciences Center, State University of New York, Stony Brook.

SECRETARY - RAI Research, Hauppauge, New York.

STAFF PHYSICIST - Data Panel of the Physics Survey, National Research Council, Washington, D.C.

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

Autos & Auto Supplies

54 INTERNATIONAL 1/2 TON PICKUP - Needs some work. \$75. 473-0178 evas.

68 GTO - Green/blk vinyl top, 400 cu in eng, must sacrifice. 722-3153.

64 JEEP WAGONEER - 4 w/d, good mech shape, 2 new tires. A good buy at \$950. R. Young, Ext. 591.

70 VW #1131 - Swing out windows, leatherette seats, w/w 5000mi, owner going overseas. J. Mann, Ext. 567, FO8-2073 after 6.

69 BRIDGESTONE TRAIL BIKE - 100 cc, excel cond. 732-4031.

67 BRIDGESTONE TRAIL BIKE - 175 cc, excel cond. 732-4031.

67 MG MIDGET CONV - Red, excel cond, r/h, tonneau cover. \$1450. 286-9225 after 6.

63 PONTIAC - Sport coupe, 2 dr hdt, ps/pb, good running cond. \$650. Mike, Ext. 2582.

69 JAVELIN SST - Dk green/tan int, auto trans, V8, console, reclining bckts, r/h, ps, 11,000 mi. 286-0785 after 5.

67 CHEVELLE - Auto trans, r/h, extra snows. Ext. 7689, 589-7052.

68 OLDS 442 - 4 spd Hurst, excel cond. \$2100. AT9-8236 after 6.

64 OLDS STATION WAGON - Vista Cruiser, very good cond. \$630. AT9-8236 after 6.

63 VW - Needs body work & muffler, ideal for dune buggy conversion, tires, motor, trans, clutch very good, new batt. \$225. 878-0582.

64 CHEVY MALIBU SS CONV - Yellow/blk top, 283 V8, 4 spd, posi, bckts, excel cond. Ext. 2576, HR3-9180.

65 GMC - 3/4 ton, heavy susp, posi, 4 spd, 17" wheels, 2 batt, all set up for camper. \$950. HR2-1833.

64 RAMBLER AMERICAN - 2 dr, 6 cyl, w/full race cam, dual Holley carbs, 3 spd w/Hurst shifter, gauges, new paint, good heater & tires. \$300. Roy, AT6-0641 after 5.

69 VW - Lt blue, 11,000 mi, excel cond, under warranty. \$1550. 751-6469.

62 MER BENZ - 190c, grey, 4 dr sedan, bckts, 4 spd, am/fm radio, hardwood dash, excel mech cond, 38,415 mi, orig owner. A real luxury car for \$1000. JUB-3671.

WHEELS - 2-13" for Triumph Herald. \$2 ea. S. Marino, Ext. 7574.

64 FIAT SPYDER 1500 - New top, paint, starter, brakes, excel cond. \$550. Chip, 475-7227.

YAMAHA MOTORCYCLE - 80 cc, excel cond. \$100. Fred, 732-6840 after 5:30.

69 OLDS 442 - Custom coupe, pwr disc brakes, posi, 4 spd, polyglass tires, factory mags, less than 6000 mi, excel cond. Ext. 2449.

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

65 BUICK SKYLARK SPECIAL CONV - Sports model, beige/white top, auto trans, console, must be seen. \$975. Ext. 7210, 325-0675 evas.

14" OLDS RIM - Excel cond. \$3. Ext. 7559.

69 OPEL STATION WAGON - 4 spd, 13,000 mi, 32 mpg, excel int & ext. 281-9366 after 5.

SNOW TIRES - Pr 7.00x13, 4 ply Mobile tires, driven about 50 mi. \$48 new, on sale at \$30. H. Brown, Ext. 7549.

FOUR TIRES - 7.50x14, 2 on '62 Chevy rims, good cond. \$20. Mrs. Semm, Ext. 2294.

TIRE - 6.00x13 w/rim, trade for 6.50x13 tire or sell for \$6. P. McHugh, Ext. 7164, 586-3579.

TRUCK TIRES - 4-9.50x16.5 on 8 lug rims, 8 ply nylons, not split set. Best offer over \$200. 744-6644.

TRUCK TIRES - 4-8.75x16.5, 8 ply nylons (will sell 2) on 8-lug rims, balanced. Best offer over \$180. 584-5325.

Boats & Marine Supplies

15' THOMPSON RUNABOUT - 28 hp Evinrude, navy top, cushions, painted, ready to go. \$475. Ext. 7166.

LOBSTER POTS - Used, 30 each. Ext. 2349, 929-4949 after 6.

18' FLYING FINN - W/o motor, windshield, top, built-in gas tank, '69 Cox trailer. Don, 288-1707 after 6.

17' RED FIBERGLASS SPORTCRAFT 1965 - 50 hp Mercury '65. 744-5471.

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

NEW MICHIGAN PROP - 10 1/2"x9" for Johnson-Evinrude 75-85 hp outboard motor. Kazdin, Ext. 7575.

25' ULRICHSEN SEA SKIFF - 125 hp Chrysler Crown, ss radio, hard top, mahog hull, sleeps 3, excel cond. AT9-0012 after 6.

16' MFG WESTFIELD SKIFF - Fiberglass runabout, compl w/navy top & acces, 40 hp Evinrude elec start, Tee Nee trailer, all '67 & in showroom cond. Best offer over \$1500. 727-0364.

SAILBOAT - Skimmer Seadog 9'6" fiberglass, wt 120 lbs, 42 sq ft dacron sail, used 1 season. \$435 (new \$499 + tax + extras = \$537). P. McHugh, Ext. 7164, 586-3579.

14' CUSTOM MADE RUNABOUT 1965 - Wood body, fiberglass bottom, w/35 hp Evinrude, gas tank, extras. \$325. 878-0582.

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

14' LAPSTRAKE OUTBOARD RUNABOUT - Good cond, wide beam, needs paint. \$25. B. Johnson, Ext. 573.

RATHEON RADIO DIRECTION FINDER - Like new, perf, w/carrying case. \$125 for quick sale. Kazdin, Ext. 7575.

22' OLYMPIA CABIN CRUISER - Nice combo of cabin & deck space, 2 bunks, head, sink, equipped w/'66 elec start Evinrude 40. \$600. Ext. 7559.

20' CABIN CRUISER - 95 hp f.w.c. marine, head, galley, 2 bunks, extras, excel cond. Petruk, Ext. 2142, AT6-0124 evas.

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

Miscellaneous

MINOLTA-SRT - 101 single lens reflex, 1.4 lens w/case & electronic flash. \$175. Joan, Ext. 7438.

AIR COMPRESSOR - Compl plug-in system w/all hoses & painting attachments, \$60; gun rack w/ bottom drawer & lock, holds 4 guns, \$5. AT6-0879.

HI-RISER COUCH - Practically new, \$100; Sears shop vacuum, \$20; foto slide editor, \$15; check writer, \$20. AT6-0879.

GUN CABINET - Unfinished, holds 11 guns, 5 drawers, 5 shelves, 7'9"hx2'w. \$75. AT6-0879.

PIANO - Steinway & Sons parlor grand, #117001, 5'11" overall, fully reconditioned by Frederick Cryde, NY, 1965, beautiful shape. AT6-1278.

ICE SKATES - Woman's size 6, figure, \$4; ski boots, man's size 9, dbl boot lace, leather, French, good cond, 1 season, \$15. Petruk, Ext. 2142.

GITAR - Folk, good cond, canvas cover incl. \$20. Susan, Ext. 670.

OAK DIN RM SET - Table w/4 chairs & 2-12" ext, buffet & breakfront. A. Panasci, 585-2908.

PLAYPEN - Swing, stroller. All/\$15. 281-5311.

2 TV'S - Good working cond, one needs picture tube or could be used for parts, \$25; 5000 BTU air cond, \$60. 281-5311.

TWIN SIZE BUNK BED SET - \$30. 475-5863.

4x18 POOL - 12x12 deck, w/filter, all attachments. \$300. R.L. Ostrom. 281-8695.

21" RCA COLOR TV - Perf for play rm or as second set. \$125. J. Schirmer, Ext. 7111/2450.

COMBO BOAT & UTILITY TRAILER - Very good cond. \$78 firm. B. Diem, 722-4865.

ST BERNARD AT STUD - Excel markings, swiss head, lg boned, AKC reg, reasonable terms. Tyce, 744-6166 after 5.

200 MM AUTO LENS FOR NIKON - \$50. K. Fuchel, Ext. 2446.

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

TENT - Continental, Sears, 10'x18', excel cond, w/ carrying bags & rm divider, vinyl coated nylon floor, screens all around. Orig \$180, asking \$120. Paffrath, Ext. 2287.

DIAPHRAGM TYPE AIR COMPRESSOR - For paint sprayer, perf cond. Orig cost \$27 from Sears, 1st \$15 gets it. Kazdin, Ext. 7575.

2 SOLID LALLY COLUMNS - 46 1/4 long. \$5. Kazdin, Ext. 7575.

PUPPIES - Must be sold because of absence of owner, 50-50 Basset & Blk Retriever. \$5 ea. Claire, Ext. 7421.

TENT - 9x15 outside, alum frame, Sears, excel cond. \$50. Ernie, Ext. 7106.

SAVE MONEY ON YOUR INCOME TAX - Get professional assistance. S. Wagner, JUB-8625.

YASHICA ELECTRO 35 CAMERA - Like new, perf cond. \$75. Ann, Ext. 456.

CONSOLE SEWING MACHINE - \$15. 728-4264.

3 MEN'S SUITS - Sizes 38-42, all very good cond. Asking \$15 ea. Bill, Ext. 7220/2766.

CLOTHING - 1 beige brocade dress, 1 pink whipped cream dress, both size 12; 1 man's tweed topcoat, size 42; all good cond. \$25 takes all. Ext. 430, HR3-1445 after 5.

PRESTO PRESSURE COOKER - 4 qt size, new in ct. \$7.50. JUS-8322.

TENT CAMPER - 1967 Nimrod hdt, sleeps 4-8, spare tire, extras, excel cond. \$650. EM3-6940.

IRISH SETTER PUPS - AKC reg, choice of litter. Ext. 600, 929-4631.

2 CB RADIOS - HE-20A Lafayette & Raytel w/antennas. \$90/both. Fred, 732-6840 after 5:30.

COMPTONS ENCYCLOPEDIA - Latest ed, full set, 24 bks, never used. Ext. 322.

CAMERA - Argus Super 8 mm, zoom lens, excel cond. \$25. Fred, 732-6840 after 5:30.

REFRIG - Whirlpool, 10 yrs old, excel cond, 3'x3'x6' yellow. \$25. A. Romano, Ext. 2801.

HOSPITAL BED SPRINGS - Mike, Ext. 7540.

GE PORTABLE DISHWASHER - Excel cond. \$65. 744-2783 after 7.

AQUARIUM EQUIPMENT - New, never used, 14 separate items in orig pkgs, 10 gal tank, air pump, extras. \$15. Hodge, JUB-7211.

'65 APACHE EAGLE TENT TRAILER - Very good cond. \$350. 281-8529.

STEINWAY PIANO - Excel cond. \$800. 581-0153 after 12 noon.

ELEC CLOTHES DRYER - 220v, multiple heat settings. \$40. Don, Ext. 2158.

TRUMPET - Made by Couesnon, Paris, good cond, very reasonable. Bill, Ext. 2393.

PR FRENCH DOORS - \$6; beigetone mosaic bath tile, approx 25 sq ft, \$7; 4 bulb kitchen light, \$5. Ext. 2191.

INTERNATIONAL CUB CADET - 10 hp, w/42" rotary mower. \$500 firm. Webster, 286-3647 evas.

VACATION SITE MAINE - Approx 5 acres, on year round road. \$800. 924-3293.

FRIGIDAIRE REFRIG - Ideal for summer home; General twin waxer & scrubber. Simms, Ext. 7782.

DISHWASHER - Under counter model, old but works. \$15. 878-2239.

STEREO TUNER - Amp record changer (Garrard), concertone stereo-8 cartridge player & amp, 2 speakers. \$225. 751-6469.

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

SETAUKET N. - 3 bedrm ranch, 1 1/2 baths, lg basement playroom, w/w, 5 appliances, patio, 1 1/2 car attached garage, wooded, landscaped 1/2 acre, near mill pond. Ext. 2994, 751-5867.

ROCKY POINT - 3 bedrm ranch, 1 1/2 baths, play rm, lg kitchen, liv rm, din rm, w/w, drapes, s/s, oversize garage, wooded 1/2 acre on cul-de-sac, beach rights. \$29,900 (take over 6% mort). 744-5901.

SHIRLEY - 5 rm split level home w/3 zone h/w heat, 1 1/2 baths, separate garage & workshop bldg 25' x30', 150'x125' fully landscaped, 1/2 mi from Smith Pt bridge. \$23,500. 281-8396.

1/3 Acre - Hamlet of Brookhaven, close to water. R. Meyer, Ext. 2428, LT9-5757.

2 ACRES - 500' off Jericho Tpke on Wilson Ave, Gordon Heights. \$6000. 732-3443.

For Rent

STUDIO APT - Private entrance, references. 878-2343.

3 1/2 RM APT - Waterview, compl & newly furn, exceptional rental, Rocky Pt. \$160/mo + util. 212-BA5-8714.

Wanted

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

TO BUY - 1 boy's, 1 girl's bicycles, full size, good cond. Ext. 7134, 751-8872 after 6.

BABYSITTING - Mother will babysit for preschool child at home, Riverhead area. O. Booker, Ext. 2411.

BABYSITTING JOBS - E. Patchogue, Patchogue & Bellport, own trans. Laura, 475-0961.

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

BABYSITTING JOBS - High school girl avail to babysit evas in Bellport, E. Patchogue & Patchogue area. Janet, 286-0906.

QUEEN OR KING SIZE BED - Din table, kitchen table. Davis, 653-4195.

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

TO BUY - 40 hp Johnson or Evinrude outboard eng, elec start, short shaft, not over 5 yrs old. Ext. 590/591.

3 TRIPLE S STAMP BKS - In exchange for 3 Plaid Stamp bks. Betty, Ext. 2375.

GOLF CLUBS - Left hand, woods & irons. M. Caunter, Ext. 2800.

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

TRUCK, VAN, OR PICKUP - Good running cond, reasonable. 751-6469.

OUTBOARD MOTOR - Up to 5 or 6 hp. P. Fallon, Ext. 2718.

TO RENT - Sm house or apt. Bill, Ext. 7220/2766.

BABY ITEMS - Playpen, folding stroller. J. Donahue, Ext. 7330, 288-4225.

CABINET - Console for sewing machine, preferably for Singer machine, model #404. P. Einfeldt, 281-3634.

VIOLIN TEACHER - For my daughter, in my home, Lake Ronkonkoma. Mrs. M. Susa, 588-4806.

TO CLEAN UP - Dirty or cluttered basement, garage, attic, incl hauling away all debris, low rates, call for estimate. Hodge, JUB-7211.

TARPAULIN - 12x8 min size, reasonable, Ext. 2191.

PETS - Going on vacation, day, week or month, reliable pet sitting reasonable. Tony, 924-8225.

CHILD'S TRAVEL BED OR PORTA-CRIB - Reasonable & in good cond. 929-4787.

OSCILLOSCOPE - Reasonable price & in good cond. Fred, HR3-9231.

HOME - For 6 wk old male puppy. Pointer-Lab mix, liver & white w/ticking. J. Sondericker. Ext. 7677.

TO PREPARE TAX RETURNS - Your home or mine. AT9-1568 after 6.

Carpools

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

PAYING RIDER - Rider or driver from Lake Grove area. 588-1566.

DRIVER DESIRED - To compl carpool from Massapequa, Wantagh & vicinity. Ext. 2942.

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