



Author-Historian Barbara Tuchman Pegram Lecturer

Barbara W. Tuchman, Pulitzer Prize winning author and historian, will deliver the Eleventh Pegram Lecture at Brookhaven on March 29 and 30.

The first of Mrs. Tuchman's lectures, on March 29, will be titled, "The United States and China." On the following night, she will deliver her second lecture, "The Historian's Craft."

In 1967, anticipating the important role that China would play in our lives in the years to come, Barbara W. Tuchman turned her attention to the East. The result is *Stilwell and the American Experience in China, 1911-45*, published by the Macmillan Company in February, 1971.

Known mainly for her historical works on European history (the 1963 Pulitzer Prize-winning *The Guns of August* and, later, the widely read *The Proud Tower*), Mrs. Tuchman actually began her career in the Far East. She has long been fascinated by the history of the American involvement with Asia - a history marked by the peculiar inability of Americans to understand the all-important differences between Eastern and Western philosophy, culture and mores.

The theme of Mrs. Tuchman's latest book is the relation of America to China, and in a larger sense, to Asia. *Stilwell and the American Experience in China, 1911-45*, encompasses China from the warlords to Mao, with our involvement in China during and immediately before World War II as its center. Mrs. Tuchman views the career and character of General Stilwell as the vehicle of the theme and sees "Vinegar Joe" as the representative American of our effort in Asia.

Barbara Wertheim Tuchman was born in New York City on January 30, 1912



Barbara Tuchman

and educated at the Walden School and Radcliffe College, of which she is now a Trustee. Following graduation, she worked as a research assistant for the Institute of Pacific Affairs (1933-35). Her first physical contact with China was in 1935 on her return trip from the Institute's Tokyo office where she had spent a year. She was on the editorial staff of "The Nation" for the next two years, reporting from Madrid on the Spanish Civil War in 1937. Mrs. Tuchman then went to the Bibliotheque Nationale (Paris) and the British Museum (London) to work on *The Lost British Policy*, published in 1938. Prior to her marriage to Dr. Lester R. Tuchman in 1940, she was U.S. correspondent for "The New Statesman" and "The Nation." She served as an editor on the Far Eastern desk of the Office of War Information from 1943 to 1945.

In addition to the books already mentioned, Mrs. Tuchman is the author of *Bible and Sword* (1956) and *The Zimmerman Telegram* (1958, reissued 1966, Macmillan). Articles by her have appeared in "American Heritage," "The Nation," "New Republic," "Foreign Affairs," "Esquire," "The Atlantic," etc.

Stilwell and the American Experience in China, 1911-45 is the February selection of

Earthquake Research



Jim Powell, Department of Applied Science, proposes that research into the electrical phenomena that often accompanies earthquakes can lead to new detection methods for forecasting seismic disturbances. —Humphrey

Ball Lightning An Earthquake Alarm?

Ball lightning, luminous glows, lightning strokes, and other electrical phenomena observed before and after many seismic disturbances may be a clue to a new method of forecasting earthquakes.

According to Jim Powell, Department of Applied Science, and Dave Finklestein of Yeshiva University, it has been found that the seismic stress changes before and during earthquakes are sufficient to generate millions of volts in certain types of rocks, and that these high voltages can explain the observed phenomena. Such rocks, including granites, quartz veins, and quartzites, contain free quartz crystals that are ordered into certain patterns; this ordering makes the rock piezoelectric, that is, it generates a voltage if the stress on it changes.

The existence of such rocks has been known for some time, but it was not realized that the action of earthquake stresses on such rocks could explain the observed phenomena. This effect may prove very important in forecasting of earthquakes, since the monitoring of voltage generated by regions of piezoelectric rock should be a very sensitive measure of stress changes in the earth's crust. Presently, only earth strains are monitored; the combination should give a much better picture of the processes occurring before earthquakes.

A detailed analysis of the electrical effects generated by earthquakes has been carried out, including equivalent electrical circuits of the rock and atmosphere, and quantitative predictions of the voltages, electric fields, and electric power generated as a function of seismic stress change, piezoelectric coefficient of the rock, and size of the piezoelectrically active region. As an example, an active body of rock three hundred feet in diameter subjected to the stress changes accompanying a major earthquake can generate a voltage of 10 million volts and a discharge power of several million watts. This is sufficient to produce luminosities of several hundred feet in diameter that are as bright as the brightest observed.

The Powell-Finklestein research team came across many references to earthquake-connected electrical phenomena while searching scientific literature in connection with ball lightning research. "After looking at scores of reports on earthquake observations in literature from Italy and Japan as well as from the Americas" said Powell, "we were surprised to find hundreds of sightings of electrical phenomena occurring in conjunction with major earthquakes. Certainly, there was ample evidence to justify a closer look."

Field experiments, according to Powell, could be carried on in the region of New York State where granite and quartz abounds. As research progresses, it could lead to experiments in an earthquake-prone area such as the St. Andreas fault.

Powell cautioned that this would only be a supplement to other measurements already taken as a means of trying to forecast earthquakes. So far, the work at BNL has only been analytical, but enough evidence of piezoelectric effects has been uncovered to make further research desirable.

Next FAS Meeting

The BNL Chapter of the Federation of American Scientists will meet at Lunchtime in Room "C" at Berkner Hall on Friday, March 26th. The agenda will include a review of proposals for local participation in FAS Committees on Scientific Priorities, the Environment and the Surplus of Scientist and Engineers. The Chapter meetings are open to all interested persons.

AEC Positions

Flyers describing openings for technical personnel in the Regulatory Divisions of the AEC may be seen in the Office of Scientific Personnel.

AEC Report Available

A limited number of copies of the report entitled "Major Activities in the Atomic Energy Programs," January - December 1970, are available to Brookhaven National Laboratory personnel. Please call Ext. 2327 for further information.

Meeting Notice

Local Union 2230 IBEW will hold its regular monthly meeting on Thursday, March 25, 1971 at 8 p.m. in the K of C Hall, Railroad Avenue, Patchogue. On the agenda will be regular business, committee reports, and the president's report.

the Book-of-the-Month Club (Mrs. Tuchman's third full selection by this club).

The first George B. Pegram Lectures were delivered by Dr. Lee. A. DuBridge, President of the California Institute of Technology, at BNL in September 1959. The four lectures given by Dr. DuBridge specifically dealt with "Attaining a Space Orbit," "The Space Laboratory," "The Solar System," and "The Universe."

The annual Pegram Lectures were established by AUI to honor an individual for his accomplishments and to provide a forum for him to discuss the broad implications of science in the areas of his experience and interests. The lectures were established in the name of the late Dean George B. Pegram of Columbia University, the eminent nuclear physicist who played a key role in the foundation of BNL.

The Eleventh Pegram Lectures will be held in Berkner Hall at 8:30 p.m. on Monday, March 29 and Tuesday, March 30. No tickets will be required for admission, and employees are encouraged to bring their families and friends. An informal reception for Mrs. Tuchman will be held in the lobby of Berkner Hall at the conclusion of each lecture and will provide an opportunity for the audience to meet with the lecturer.

Light Out - Please

Until now the lights in many buildings have been turned off by the night janitors on completion of their rounds. Since the janitors are no longer working at night, we ask your cooperation in seeing that all lights not needed at night are turned off at the end of each day. This will result in significant savings in power costs and lamping costs.

Wise Owl Award



A Wise Owl Award from the National Society for the Prevention of Blindness was awarded to Ronald Finn of the Chemistry Department. Finn's safety glasses saved his eyesight when a piece of experimental equipment exploded, showering nitric acid and glass into his face.

Superheavy Symposium



Dr. Amnon Marinov, researcher at Rutherford High Energy Laboratory describes the search for a superheavy element before a laboratory-wide symposium in Berkner Hall on Monday. Approximately 250 physicists and chemists made up Dr. Marinov's audience. —Humphrey



After Dr. Marinov's description of his search for element 112, he clarified some points to Professor Arthur Kerman, MIT (left) and his host, Dr. Gerhart Friedlander, Chairman of the BNL Chemistry Department (center).

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CARL R. THIEN, Editor
CLAIRE LAMBERTI, Editorial Assistant

40 Brookhaven Ave. Upton, N.Y. 11973
Telephone 516 924-6262 Ext. 7238

NORBERT J. DERNBACH
Public Relations Officer

Hospitality News

The next Hospitality Committee coffee meeting will be held from 10 a.m. until noon in Apartment 8-A on Monday, March 22.

Easter will be here again before you know it, so by popular demand we have once again invited Amelita Llacer to demonstrate Easter egg decoration.

Everyone is welcome - bring the children.

Cafeteria Menu

Week Ending March 25, 1971

Friday, March 19	
Manhattan Clam Chowder	
Crabmeat Cakes w/French Fries & Tabasco Sauce	.90
Salisbury Steak w/Onion Sauce & 1 Veg.	.80
Broiled Filet of Flounder w/1 Veg.	.90
Monday, March 22	
Onion Soup	
Sloppy Joe on a Bun w/1 Veg.	.80
Roast Fresh Ham w/Applesauce & 1 Veg.	.80
Boiled Knackwurst & Sauerkraut	.75
Tuesday, March 23	
Puree of Split Pea Soup	
Baked Beef Hash w/Whip Potato Topping & Brown Gravy	.75
Southern Fried Chicken w/French Fries	.85
Indian Lamb Curry on Rice	.85
Wednesday, March 24	
Vegetable Soup	
Baked Tomato Meat Loaf w/Brown Gravy & 1 Veg.	.80
Western Omelet w/1 Veg.	.85
Fried Codfish Cakes w/Spaghetti	.75
Thursday, March 25	
Cream of Mushroom Soup	
Boiled Beef w/Horseradish Cream Sauce & 1 Veg.	.85
Turkey Chow Mein on Rice w/Crisp Noodles	.75
Beef Ravioli w/Cheese & Tossed Green Salad	.80

Visiting Legislators To Laboratory Listed

Because of many requests from interested employees, a list of officials who visited Brookhaven Lab on March 5 is printed below:

- Hon. Syd Askoff**
Legislator, Suffolk County, Dist. 12
- Miss Gretchen Baldwin**
B.W. Jackson's Staff
- Mr. Joseph L. Blydenburgh**
Legislative Aide, Suffolk County Legislature
- Hon. Louis A. Fuoco**
Legislator, Suffolk County, Dist. 3
- Hon. James R. Grover**
U.S. Representative, 2nd Congressional Dist.
- Hon. Berkeley W. Jackson**
Legislator, Suffolk County, Dist. 18
- Hon. Charles A. Jerabek**
NYS Assemblyman, Dist. 3
- Mr. Robert J. Jones**
Clerk, Suffolk County Legislature
- Mr. M. Kerins**
P.B. Duryea's Staff
- Hon. John V.N. Klein**
Presiding Officer of Suffolk County Legislature, Dist. 6
- Hon. Fred R. Merz**
Chairman, Economic Task Force
- Mr. George Meyer**
L.V. Tempera's Staff
- Hon. William Morrissey**
Legislator, Suffolk County, Dist. 4
Member, Economic Task Force
- Mr. Anthony Noto**
Legislative Aide, Suffolk County Legislature
- Mr. Edward M. Schwenk**
Chairman, Suffolk County Republican Party
- Hon. Jane A. Stanley**
Legislator, Suffolk County, Dist. 8
- Commissioner Louis V. Tempera**
Suffolk County Department of Labor
- Mr. Joseph Weiss**
Legislative Aide, Suffolk County Legislature
- Mr. Dennison Young**
Senator Javits' Staff

Weekly Calendar

- Monday, March 22**
- BIOLOGY SEMINAR** 11:00 a.m., Biology Library, 50 Bell Ave.
Membrane Structure
Glen I. King
 - NUCLEAR PHYSICS SEMINAR** 2:00 p.m., Sm. Seminar Rm., 20 Penn. St.
A Study of Er¹⁶⁸ by the Analog Resonance Technique
Dr. D.L. McShan, Purdue University
- Tuesday, March 23**
- MEDICAL DEPARTMENT SEMINAR** 3:00 p.m., Seminar Rm., 30 Bell Ave.
Kinetic Studies of Lymphoid Subpopulations
Eugene M. Lance, M.D., Hospital for Special Surgery, New York
 - PHYSICS COLLOQUIUM** 3:30 p.m., Seminar Rm., 20 Penn St.
Muonium and Positronium
V.W. Hughes, Yale University
- Wednesday, March 24**
- NUCLEAR PHYSICS SEMINAR** 11:00 a.m., Sm. Seminar Rm., 20 Penn. St.
High Resolution Spectroscopy of Co⁵⁶ from the Ni⁵⁸ (d,α) Reaction
Martin Schneider, University of Pittsburgh
 - CHEMISTRY SEMINAR** 3:30 p.m., Chem. Seminar Rm., 33 Lewis Rd.
Ascorbic Acid Free Radicals
Benon Bielski
- Thursday, March 25**
- PARTICLE PHYSICS SEMINAR** 11:00 a.m., Sm. Seminar Rm., 20 Penn. St.
Results of the A₂ from the Double Vee Spectrometer
K.J. Foley, Brookhaven National Laboratory
 - SOLID STATE SEMINAR** 1:30 p.m., Sm. Seminar Rm., 20 Penn. St.
Neutron Scattering by Rotons in Liquid Helium: A New Look at an Old Problem
O.W. Dietrich, Phys. Dept., Brookhaven National Laboratory
- Friday, March 26**
- NUCLEAR PHYSICS SEMINAR** 2:00 p.m., Sm. Seminar Rm., 20 Penn. St.
Studies of the Odd-Odd sd-Shell Nuclei ²²Na (6 particles) and ³⁴Cl (6 holes).
Dr. B.H. Wildenthal, Michigan State University.
-
- Monday, March 29**
- BIOLOGY MUSCLE SYMPOSIA** 11:00 a.m., Berkner Hall, 11 Brookhaven Ave.
The Structure of Muscle: Part I. Structural Basis of Contraction Mechanism in Striated Muscle
H. Huxley, Medical Research Council, Cambridge, England
- Tuesday, March 30**
- MEDICAL DEPARTMENT SEMINAR** 3:00 p.m., Seminar Rm., 30 Bell Ave.
Thymocyte Migration
Darrel D. Joel, D.V.M., Ph.D., Medical Dept., Brookhaven National Laboratory
- Wednesday, March 31**
- BIOLOGY MUSCLE SYMPOSIA** 11:00 a.m., Conf. Center Rm. "B", 11 Brkhvn Ave.
The Structure of Muscle: Part II. Assembly of Muscle Proteins
C. Cohen, Children's Cancer Research Foundation, Boston, Mass.
 - CHEMISTRY SEMINAR** 3:30 p.m., Chem. Seminar Rm., 33 Lewis Rd.
Structure and Reactivity in Hydrolysis by α-Chymotrypsin
Saul G. Cohen, Brandeis University, Waltham, Mass.
- Thursday, April 1**
- PARTICLE PHYSICS SEMINAR** 11:00 a.m., Sm. Seminar Rm., 20 Penn St.
A Phenomenological Study of Inclusive Reactions
L.L. Wang, Brookhaven National Laboratory
- Friday, April 2**
- BIOLOGY MUSCLE SYMPOSIA** 11:00 a.m., Conf. Center Rm. "B", 11 Brkhvn Ave.
The Structure of Muscle: Part III. Aspects of Regulation of Contraction
A. St. Gyorgyi, Brandeis University, Waltham, Mass.

Stony Brook Events

- Friday, March 19**
- "Last Summer," a recent film directed by Frank and Eleanor Perry, will be shown by the Committee on Cinematographic Arts at 7 p.m., 9:30 p.m. and midnight in Room 100 of the Lecture Center, admission \$1.00. The film will be repeated at 8 p.m. and 10:30 p.m. on Saturday.
- Saturday, March 20**
- As part of a Children's Film Festival six movies - "Happy Owls," "Alphabet," "Lines - Horizontal," "The Dragon's Tears," "The Magic Fiddle," and "Curious George Rides a Bike" - will be shown at 10 a.m. and 2 p.m. in the Union Theatre, admission 50¢.
- Sunday, March 21**
- Creative Associates, a mixed-media group from Buffalo, will perform an avant garde concert featuring electronic music at 8:30 p.m. in the Union Theatre, admission \$1.50.
- Dreiser College will show the film "The Family Way" starring Hayley Mills at 9 p.m. in the Dreiser Lounge.
- Tuesday, March 23**
- As part of a lecture series on "The Future of Man" Dr. Max Dresden, Executive Officer of the Institute for Theoretical Physics at Stony Brook will speak on "Peaceful Uses of Atomic Energy" at 7 p.m. in Room 100 of the Lecture Center.
- A reading from William Congreve's "The Country Wife" will be presented by the Mighty Chaucer Art Players, a group of faculty and graduate students in the English Department, at 8 p.m. in Room 236 of the Stony Brook Union.
- Wednesday, March 24**
- "A Nice Kid Like You," a movie about being young in America, will be shown as part of a film series on drugs at 8 p.m. in the Stony Brook Union Theatre.
- O'Neill College will show the film "At the Circus" at 9 p.m. in the O'Neill Lounge.
- Thursday, March 25**
- "Banditi de Orgosolo," Vittorio DeSica's film about the conditions which transform a group of Sardinian peasants from shepherds to bandits, will be shown at 8:30 p.m. in Room 100 of the Lecture Center. Admission is free but tickets must be picked up between 2 and 10 p.m., Monday through Wednesday, in Room 294 of the Administration Building.

Here and There

Claire Lamberti

- F. William Studier** (Biology) was appointed Adjunct Associate Professor of Bio-chemistry at the State University of New York at Stony Brook.
- T.V. Sheehan** (DAS) attended the ASME Nuclear Engineering Divisional Conference on Fast Reactors held on March 7-10, 1971 in Palo Alto, California. Mr. Sheehan is Chairman of the Nuclear Engineering Division of ASME, and was technically in charge of this highly successful conference.
- Dr. Gerhart Friedlander** (Chemistry) has been reappointed Chairman of the Chemistry Department for a period of three years, starting July 1, 1971.
- Dr. Eugene P. Cronkite** (Medical) has been reappointed Chairman of the Medical Department for a period of five years, starting July 1, 1971.
- Mortimer M. Elkind** (Biology) presented a seminar at the Grumman Aerospace Corporation in Bethpage, New York on "The cellular radiobiology of essential and malignant cell systems in man."
- John Berech, Jr.** (Biology) will spend his sabbatical from Queens College of the City University of New York in the Biology Department, working in association with **Howard J. Curtis** on aging effects on RNA metabolism.

Soccer

K. Batchelor

On Friday, February 19th, AGS increased their lead in the interdepartmental competition by winning two games, whilst Physics remained in contention for second position by beating Biology, Chemistry and DAS. In the first game, AGS scored 7 goals against Biology, Chemistry and DAS who replied with 3 goals by Lankshear, who was on loan from AGS. Soukas had a fine game for AGS scoring 2 goals and creating many chances for Batchelor, who scored 4 goals. The second game was very even but strong forward play by Physics resulted in their victory of 4 goals to 1 against Biology, Chemistry and DAS. Cox played very well for Physics and scored 2 of his team's goals. In the third game, two extremely well matched teams played a fast game with play moving rapidly from one end to the other and with AGS edging Physics by 3 goals to 1, the last AGS goal being scored in the last minute of the game.

AGS 7 vs. Biology, Chemistry and DAS 3
Physics 4 vs. Biology, Chemistry & DAS 1
AGS 3 vs. Physics 1

Friday, March 5th, saw AGS win one and tie one game to become the interdepartmental Winter League champions with one week remaining in the competition. In the first game, Physics was somewhat unfortunate in losing to Biology, Chemistry and DAS by 5 goals to 3. Play was very even and Dorner was unfortunate in scoring an own goal for Physics. Emery and Isaacs each scored 2 goals for their respective teams. The second game was even more unfortunate for Physics as both Cox and McKenzie-Wilson scored own goals under pressure from the AGS team who ran out victorious by 5 goals to 2. Batchelor scored 2 goals for AGS and Dietrich 2 for Physics. In the final game, both defenses were on top for most of the game and the result was a tie. Soukas scored 2 goals for AGS, the equalizing goal coming in the last five minutes.

Bowling News

Grace Fales

Red League

The Old Timers are maintaining their lead in first place and Ralph Nelson still has high average of 186. Added to the 200 club this week were W. Reams 209, and 208, N. Parrinello 237, R. Dagradi 212, J. Ruscica 211, W. Kollmer 211, S. Kiss 205, J. Ferrante 203.

Green League

High games for the week: J. Lee 205 and 200, S. Dinario 213, 130, 133 - 476 sc., M. Elliott 203, R. Larsen 209, K. Riker 203, R. Vignato 212, J. Cuccia 222.

Pink League

High games for the night were P. Oster 186, G. Fales 185, L. Hillerud 173, P. Fox 172, E. Murgatroyd 164. Pinsplitters holding on to first place. Good luck to the girls who are entering the Championship Tournament Saturday

Black and Blue League

We have an award winner: Marge Belligan earned a triplicate. The League standings closed up and only 5 points separate the AR's in first and the Sizzlers in fourth, with the Omegas and Pacesetters in between. Fred VanDervoort had the big game of the night, a 217. Dick Murgatroyd (not Ric) had a 529 series, Ben Belligan 521, and Audrey Blake a 448.

Arrivals & Departures

Arrivals

None

Departures

Toni Ann Fuoco Applied Math.
Robert Luccioni Central Shops
Thomas J. McBride P&GA
Edward A. Mac Dougall Accelerator
Harold A. Martin Accelerator
William A. Neal, Jr. P&GA
Richard Parker, Jr. P.E.P.
Stanley T. Ruke Security
Gordon Schwarzer I.&H.P.
Joyce A. Terrone Applied Math.

Final Curtain



The entire cast of *Don't Drink The Water* takes a final bow before the curtain descends on the last performance on Saturday night. According to one of the performers, "There is always a certain sadness when a play is over. . . ."

Final Curtain For Don't Drink The Water Heralds Successful Run

More than 700 people attended the four performances of Woody Allen's *Don't Drink The Water*, a comedy in two acts directed by Richard Silberglitt, produced by Robert Marr, and presented by the BERA Theatre Group.

The cast of 25 and the entire production staff of backstage workers got a round of well-deserved applause as the final curtain was closed. True to the tradition established when *Seven Keys to Baldpate* was presented in 1948, the BERA Theatre Group had presented another fine performance.

Contributing to the success of the actors on stage, was the excellent set designed by Pat Campbell, and constructed by Blair Munhofen with Norm Sutin and John Yandell.

The Cast, in order of their appearance, consisted of:

Father Drobney Bruce Martin
Ambassador Magee John Gorr

Kilroy Michael Losquadro
Axel Magee Robert Kinsey
Marion Hollander Rita Straub
Walter Hollander Bert Farmer
Susan Hollander Darlene Yelon
Krojack Ove Dietrich
Guard Hugh Yerry
Burns William Wilhelm
Chef Robert Comes
Sultan of Bashir Doug Hunter
Sultan's Wife Carol Losquadro
Kasnar David Rahm
Countess Bordoni Sheila Buck

The production staff included: Pat Campbell, Ann Miller, Graham Campbell, Blair Munhofen, Norm Sutin, John Yandell, Eena-Mai Franz, Darlene Yelon, Mary Chappell, Barbara Strohm, Audrey Blake, Jackee Kelly, Cathy White, Carol Celentano, Diana Bartelt, Kay Trautwein, Nancy Warner, Jim Muckerman, Jack Craig, Ron Withnell, Don David, Mike Sheehan, Ron Peierls, Stan Lowell, Hugh Yerry, Julie Peierls, Hallie Frazer, Priscilla Martin, Anthony J. Nardi, Rosemary Olsen, Virginia Walker, Sheila Buck, Sue Kinsey, Doug Smith, Jorge Llacer, Jerry M. Friedman, George Cox, Charles Meinhold, and Agnes Donahue.



When the last of the audience has left and the stage has been cleared of borrowed props, the empty theatre is transformed into a party room for the traditional cast party. The sadness gradually gives way to a feeling of relief that the tension is ended and long nights of rehearsal are over till the next play.
—Humphrey

Selected Reading

N.Y. Times Mag. March 7, 1971

"C particle," a unified theory of cancer. L. Edson. 28-9+

The new "in" group is the Guarneri. J. Roddy. 30-1+

An archeological find named Iris Love. E. Stevens. 32-3+

Science 171, March 5, 1971

Science policy: An insider's view of LBJ, DuBridge, and the budget. P.M. Boffey. 874-6

Science junk: Funding cuts make used equipment pile up. D. Shapley. 879-82

Science 171, February 26, 1971

Federal advisory processes: Advice and discontent. T.E. Cronin and N.C. Thomas. 771-9

Radiation standards: Are the right people making decisions? P.M. Boffey. 780-3

Science 171, February 19, 1971

Participatory technology. J.D. Carroll. 647-53

Ind. Res. 13, March 1971

Wage peace. N.P. Ruzic. 45-52

Nature 230, March 5, 1971

Who will referee the referees? 3

Classified Advertisements

Positions Available

The Brookhaven Bulletin each week will list job openings which have come to our attention and may be of interest to Lab employees. Each listing will be repeated (if still available) only once.

JUNIOR ACCOUNTANT - Mainly full charge book-keeping. Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.

JANITOR - Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.

JUNIOR MECHANICAL TECHNICIANS - Dayton T. Brown, Bohemia, New York.

SWITCHBOARD OPERATOR - Bayview Community Hospital, Mastic, New York.

KITCHEN WORKER - Bayview Community Hospital, Mastic, New York.

MEDICAL TECHNOLOGIST - All phases of lab work; A.A. degree required. Southampton Hospital, Southampton, New York.

ASSISTANT CHIEF ENGINEER - All phases of electrical and plumbing facilities; familiar with high power systems and air conditioning. Southampton Hospital, Southampton, New York.

SALESMEN - Full training program. Mutual of New York, Westbury, New York.

MAINTENANCE MEN - Plumbing experience. Dowling College, Oakdale, New York.

TECHNICAL PHOTOGRAPHER - Process camera. Dayton T. Brown, Bohemia, New York.

JUNIOR TECHNICIAN - Electronic. General Instrument Corporation, Hicksville, New York.

COST ACCOUNTANT - Standard job cost; Bachelor's degree and minimum five years' experience. General Instrument Corp., Hicksville, New York.

PLANT ENGINEER - Facilities engineering; semi-conductor electronics. General Instrument Corporation, Hicksville, New York.

RELIABILITY ENGINEER - Failure analysis, etc., three to five years' experience. Airborne Instrument Laboratory, Deer Park, New York.

TECHNICAL CLERK - Quality control work; familiarity with blue prints, etc. Airborne Instrument Laboratory, Deer Park, New York.

ELECTRONIC TECHNICIANS - Applied electronics laboratory. A.A. degree, RCA certificate or equivalent, Airborne Instrument Laboratory, Deer Park, New York.

AIR CONDITIONING MECHANIC - Airborne Instrument Laboratory, Deer Park, New York.

CUSTODIANS - Nights. Airborne Instrument Laboratory, Deer Park, New York.

KEYPUNCH OPERATOR - Systems and Data Processing. Half-time, 5-9 pm.

STOCK CLERK - Parts Department, O'Keefe Chevrolet, Riverhead, New York.

CONSTRUCTION INSPECTORS (2) - Review plans and inspect placement and quality of soils, etc. Department of the Army, Secaucus, New Jersey area.

SALESMEN AND SALES MANAGERS - Connecticut General Life Insurance Company, Melville, New York.

BUILDING ENGINEER - Industrial project work engineer; contract writing. B.S. Civil Engineering, P.E. license. National Food Manufacturing Company, Melville, New York.

PROCESS SANITARY PIPING ENGINEER - Knowledge of piping engineering (problems, de-bugging, etc.). National Food Manufacturing Company, Melville, New York.

MECHANICAL ENGINEER - B.S. in mechanical engineering or experience in heat transfer. National Food Manufacturing Company, Melville, New York.

SENIOR SYSTEMS AND PROGRAMMING MANAGER - To head up all application systems and programming; converting from IBM system to new RCA-3 equipment. Hofstra University, Hempstead, New York.

PROGRAMMERS/SYSTEMS ENGINEERS - Large-scale computer system. New York Institute of Technology, Old Westbury, New York.

KEYPUNCH OPERATOR - Alpha-numeric. Maxson Electronics, Great River, New York.

ELECTRICAL ENGINEER - Bachelor's degree or equivalent experience. Department of the Army, Secaucus, New Jersey.

CIVIL ENGINEERS - Profassing engineering degree or equivalent experience. Department of the Army, Secaucus, New Jersey.

EXECUTIVE SECRETARY - To the Director. Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.

MACHINIST - Responsible for new machine shop. Cold Spring Harbor Laboratory, Cold Spring Harbor, New York.

PUBLICATIONS TYPIST - Technical. Airborne Instrument Laboratory, Deer Park, New York.

DIGITAL ENGINEER - E.E. degree and three years' experience. Grumman Aerospace Corporation, Bethpage, New York.

SIMULATION ENGINEER - E.E. degree and two years' experience. Grumman Aerospace Corporation, Bethpage, New York.

CIRCUIT DESIGN ENGINEER - E.E. degree and two years' experience. Grumman Aerospace Corporation, Bethpage, New York.

MAINTENANCE MAN - Henry Perkins Hotel, Riverhead, New York.

SALESMAN - Prudential Insurance Company, Smithtown, New York.

SECRETARY - Maxson Electronics, Great River, New York.

PORTER - Maxson Electronics, Great River, New York.

TYPIST - Manuscript typing, five to six months job duration. American Institute of Physics, State University of New York, Stony Brook.

CLERK-TYPIST - 4-12 shift. Huntington Hospital, Huntington, New York.

PORTERS - 8-4 shift. Huntington Hospital, Huntington, New York.

MAIDS - 8-4 shift. Huntington Hospital, Huntington, New York.

TYPIST - 20 hours per week, six months job duration; technical typing. State University of New York, Stony Brook, New York.

SECRETARY/STENOGRAPHER - Temporary for approximately six months. Comprehensive Designers, Hicksville, New York.

REGISTERED NURSES - Rotating shifts. Medical Department, BNL.

PROGRAMMER/ANALYST - Bachelor's degree plus approximately three years "hands-on" programming experience. General Telephone & Electronics Laboratories, Bayside, New York.

CHEMIST - Ph.D. in physical chemistry, chemical engineering or electrochemistry. General Telephone & Electronics Laboratories, Bayside, New York.

CHEMICAL TECHNICIAN - A.A.S. in chemistry or equivalent. General Telephone & Electronics Laboratories, Bayside, New York.

TECHNICIAN - Glass research; experience in metallurgy and ceramics desirable. General Telephone & Electronics Laboratories, Bayside, New York.

LABORATORY TECHNICIAN - Plant tissue research; A.A. or A.S. or equivalent in biology or plant physiology. General Telephone & Electronics Laboratories, Bayside, New York.

PROGRAMMER - B.A. or M.A. in mathematics or computer science. General Telephone & Electronics Laboratories, Bayside, New York.

SHEETMETAL WORKERS - Dayton T. Brown, Bohemia, New York.

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

Autos & Auto Supplies

67 SUNBEAM MINX - 4 dr, auto trans, r/h, good mechanically & body. \$850. Jake, Ext. 2580.

64 CHEVELLE MALIBU SS - 6 cyl, auto trans, r/h, 2 dr, excel transportation. \$450. Jake, Ext. 2580.

65 ENGLISH FORD (CORTINA) GT - Good cond, snows. \$400. J. Clarke, 751-0226.

65 KARMAN GHIA - Dk blue, good cond, good tires, clean car. R. Wessel, 475-5349.

65 CHEVY MALIBU SUPER SPORT - Bckts, floor console, V8, auto, good cond. 732-5711.

66 CHEVY IMPALA - 6 cyl, auto trans, ps, clean, excel cond. \$1000. LT9-4327 after 6.

66 MUSTANG - V8, 4 spd, radio, new batt, good gas mileage. Ext. 7732.

68 PLYMOUTH "ROAD RUNNER" - R/h, 383 cu in, 4 spd Hurst, chrome reverse wheels, 7 tires on rims, excel cond. 286-1076.

66 MG MIDGET CONV - Dk green, r/h, low mileage, must sell. \$800. 286-0785 after 6.

63 VALIANT - 2 dr, auto, 6 cyl, r/h, good cond. Asking \$300. S. Marino, Ext. 7574.

66 CHEVY - 6 cyl, r/h, burglar alarm, std shift. \$300. E. Pultz, Ext. 7415.

68 VOLVO MODEL 144 - Blk, 28,000 mi, good cond. \$1400. Ext. 2989, 473-7657 eves.

2-8.25x15 W/W TIRES - Less than 200 mi, excel cond. \$20 ea w/rims. Dennis, Ext. 7187.

58 VW PARTS - Eng, wheels, transaxle, front end, doors, glass, body. Fred, Ext. 2287.

67 FORD MUSTANG - Maroon conv, r/h, auto trans, 289 cu in, headers & posi, very clean. \$1300. Wayne, 475-7694.

63 OLDS CUTLASS WAGON - V8, std; 64 Plymouth wagon, V8, auto. 288-3296 after 6.

63 KARMAN GHIA - R/h, very good cond. \$495. Joe, 286-9260 eves.

67 COUGAR - V8, hdtip, very good cond. \$1700. George, Ext. 565.

13" WHEELS - 5 hole, \$5/pr; 14" wheels, Pontiac size, \$5/pr. Bob, Ext. 2450, 289-0357.

65 CHEVY IMPALA - 6 cyl, new batt, good tires, std shift. \$600. J. Pontieri, 475-9131.

68 FORD LTD STATION WAGON - 10 psgr, ps/pb, auto trans, excel cond. \$2050. Ext. 7617.

2 SNOW TIRES - 7.75x14, \$5 ea; 1-7.75x14, \$5. Ext. 7718.

68 OLDS VISTA CRUISER WAGON - 9 psgr, ps/pb, air cond, new brakes, new tires, excel cond, real beauty. \$2500. Cliff, Ext. 7400.

69 HONDA STREET SCRAMBLER - 3600 mi, 175 cc, blue w/chrome fenders, excel cond. Butch, 475-1721 after 5.

63 COUNTRY SQUIRE - V8, auto trans, ps/pb, 9 psgr. \$350. Lundgren, Ext. 7525, 588-1566.

67 CHEVELLE SS 396 - 325 hp, auto trans, red/blk vinyl top, bckts, console, very clean. Ext. 7426.

70 VW 7-PSGR DELUXE BUS - Curtains, sidestep, vent shades, undercoating, 2 new snows, 10,000 mi +. \$2600. Hodge, JU8-7211.

Boats & Marine Supplies

18' CHRIS CRAFT CABIN CRUISER - Sleeps 2A + 2C, ice box, sink, 50 hp Mercury outboard, controls, 20 gal built-in tanks, full canvas. \$950. Bill, JU1-5726.

19' OPEN SKIFF PEN YAN 1960 - '67 Johnson 80 hp electromatic & Halsclaw trailer, new 2-12 gal built-in CG approved gas tanks. \$1400. 281-8087 after 6.

25' OWENS CABIN CRUISER - 220 hp, sleeps 4, dinette, standup head, hdtip, extras. \$2200 firm. R. Farmer, Ext. 316, 281-7720 after 6.

20' CRUISERS INC - Full canvas, excel cond, \$500; '62-40 hp Evinrude, excel running cond, elec start, \$200. EM3-2042 after 5.

9 1/2' SAILING DINGHY - Fiberglass hull, nylon sail, deep & dry, sturdy beginner's sailboat. \$265. 653-4195.

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

16' FIBERGLASS "GLASPAR" RUNABOUT - 40 hp elec start, compl navy top, life jackets, trailer, excel cond. \$950. Ext. 2381-2.

7'9" PLYWOOD PRAM - Built from Weldwood plans, 2 coats plastic resin on dynal cloth. 281-8622 eves.

'66-45 HP CHRYSLER OUTBOARD - Fully elec w/controls & batt. \$325. Ext. 7212, 744-9085 after 6.

177 HP CHRYSLER F.W.C. - 2:1 reduction, salt water pump & special copper risers. \$350. 286-0785.

19' MAHOG DAY AUXILIARY SAILER - No equipment, 45 hp Palmer, excel cond. \$175. 286-0785.

BLUE JAY - Don't send the kids to camp, send them to "sea" in their own fun boat, paint her today, sail her tomorrow. \$300. Kay, Ext. 2942.

BOSTON WHALER-1967 - 13'3" w/running lights, 40 hp Jefferson manual start, compl set up for use, excel running cond, immaculate. \$900. 286-0641 after 5.

8' PLYWOOD PRAM - Sound but needs paint. \$35. Ext. 2898, 473-7657 eves.

16' PENN YAN BOAT - W/trailer & 40 hp elec start Evinrude motor, priced to sell. Olson, Ext. 7525.

20' FIBERGLASS CRUISING SLOOP - Signet 20, sleeps 4, fully equipped, working sails Genoa & Spinnaker, many extras, reasonable. Ext. 2993, 744-9436.

WATER SKIIS - Used once, perf cond, dbl bindings for slalom skiing. \$20. Jeff, Ext. 476, 286-9152 after 6.

17' THISTLE SAILBOAT - Wood hull, fiberglass covered bottom, 2 sets dacron sails, trailer incl, excel cond. \$750. 472-1833.

18' "CC" WOOD SAILBOAT - Hard dacron sails, hull refastened, new centerboard & trunk. \$300. Jeff, Ext. 476, 286-9152 after 6.

Miscellaneous

HOT WHEELS CARS - & other toys, reasonable. Sam, 286-0783 after 4.

HEATHKIT - Transistorized VOM, brand new. \$17. Ext. 7166.

BOX SPRINGS - Twin bed size, very good cond. \$5 ea. 581-0932 after 6.

ROGERS BASS DRUM 22" - Sparkling silver, some accessories. \$25. 281-8087 after 6.

GONSET SUPER 6 CONVERTER - W/12V. \$12. Ext. 638.

ADMIRAL WALL OVEN - 220V, \$15; TX AF68A RX PMR8 P/S 1070 6-80M compl w/manuals. Ext. 638.

ROTOTILLER - \$60; portable 53" thermo cont 110 V elec baseboard heater, \$20; water cooled fan, \$10; floor desk lamp, \$10. Ext. 7536.

30+ STEREO TAPES - Pre-recorded, 4-track. \$150. value new, asking \$1.50/pc. Ext. 574.

COLT PYTHON - 357 mag, 6" barrel, w/regular grips, top cond, w/belt & holster. \$165. J. Zahra, Ext. 7124, 727-7480 after 6.

SCHOOL DESK - W/seat & formica top, like new. \$10. 472-1356 after 6.

FOLDING BATHINETTE - \$5; white crib w/mattress, \$10; davenport w/new multicolor slipcover, \$35. Ext. 7536.

GARDEN TRACTOR - "Simplicity Mod. 725", elec start w/42" rot mower, snow blower, spreader, sweeper. Ext. 7536, 924-3556.

SIBERIAN HUSKY PUPPIES - AKC reg, males, females, reasonable. 744-8787.

GOLF CLUBS - Bag, collapsible cart, full set of MacGregor irons & 4 first flight woods, all in good cond. \$130 firm. 475-0037, 286-3629.

CHROME KITCHEN SET - 4 chairs, excel cond. \$35. 475-0037, 475-1136.

SEARS GASOLINE CHAIN SAW - 14" blade, just tuned up, excel cond. K. Sutter, 281-8622 eves.

OAK FIREWOOD - Well seasoned, cut to order. 281-8622 eves.

FREEZER - 20 cu ft upright. \$100. Caryl, Ext. 7414.

GIRL'S BICYCLE - Age 8-12, \$8; 5-8, \$3; slide projector, Balmite 50, \$5; Elektrikbroom, Regina, \$8. Ext. 7718.

FISHING ROD - 8' Garcia & Daiwa, \$6 ea; Mitchell 306 reels, \$8 ea; 4' Sportsman 360 w/reel, \$3; boots, size 9, \$2. Ext. 7718.

STORKLINE YOUTH BED & CRIB - Bed \$35; crib \$15; garden size wheel barrel, \$8. 727-5596.

CARAVAN ELEC ORGAN - 3 octave consolette, 22 keys, 24 chord keys, portable. \$35. Bob, Ext. 574, 6-12 pm; JU8-7211, 9-12 pm.

VACATION IN VERMONT - W/your family, sleeps 7, all conven, May-Sept. \$65/wk. 281-9411.

16" EMERSON B&W TV - \$25; girl's white ice skates, size 3, \$4, size 1, \$2; men's blk size 8, \$7; like new. Ext. 7718.

MINIATURE POODLE - Male, pedigree, silver phantom, 1 yr old, excel w/children. \$75. Ernie, Ext. 7816.

DISCUS FISH - 2nd generation, tank bred, 7 wks old. \$2. Moose, Ext. 2830, HR3-2608.

MICROSCOPE - Professional Kyowa model KHS-2, monocular, new cond, 3 eyepieces, 4 objectives, graduated coaxial mech stage, Koalite lamp illumination, locking wood carrying case, extras. Saxon, Ext. 2366.

FIREWOOD - Oak, split. \$35/cord. Earl, 286-3829.

ZIG-ZAG SEWING MACHINE - Vogue-stitch super deluxe buttonhole, sews reverse, 24 diff stitch patterns, 2 yrs old. \$80. Ext. 574, JU8-7211.

CAMERA - Karoron, 75 mm, 3.5 lens, bellows type, old but still useable, camera case & flash. \$5. P. Oster, Ext. 7538.

CAMERA - Yashica, model A, twin reflex, 80 mm, 3.5 lens, good beginner's camera, camera case & Accura Bouncemaster. \$45 firm. Ext. 7538.

KODAK FILTERS - Series V, yellow, No. 8, Wratten K2, green, Wratten X1, lens hood. \$8/all. Ext. 7538.

GARDEN TOOLS OF ALL KINDS - Incl Scott spreader & post hole digger. 727-5596.

BLACK & DECKER ELEC LAWN MOWER - W/200' cord, used twice. \$75, cost \$90. 878-2268.

YOUTH BED - Maple, good mattress. \$10. Ext. 7374.

SKIS - Children's 4', binding & poles, \$6; boot lace, size 13, \$6; boot buckle, size 2, \$9. Ext. 7353, 587-9372.

FILING CABINET - Metal, 2'6" h x 1'1/2" w x 10" d; 6-10"x11 1/2" drawers; 1 1/2"x9" file space, \$15; 2 check file boxes, metal, 2/\$5. Ext. 574, JU8-7211.

MEN'S SKI BOOT - Size 13, lace, good cond. \$15. Ext. 7353, 587-9372.

GENERAL HOME FOOD SLICER - Model 400, never used. \$15. 929-4446.

REVELL RACEWAY SET - 1/32 scale, high-banked extra cars & access, 2 mos old, hardly used. Orig \$45, asking \$35. HR3-9275.

POLAROID NO. 250 - Perf cond, close up lens, portrait lens, wide angle lens, telephoto lens, copier, filters, timers. Bob S., Ext. 7828, JU4-8492.

OLD BOOKS - 2 repairable TV's, foreign coins. O. Booker, Ext. 2411.

DOLLY MADISON CHAIR - By Castro, mandarin orange, beautiful cond, 1 1/2 yrs old. Orig \$157, asking \$100. Ext. 574, JU8-7211.

LADIES' FUR HAT - South American fox, worn once, best offer. 286-3742.

SYLVANIA TABLE RADIO - Like new, \$7; clamp-on auto head rest, fits any car seat, blk vinyl, \$3. Bill, Ext. 2872.

FUR COAT - Russian pony, size 8, good cond, best offer. 286-3742.

COAT - Several dresses size 12, good cond, reasonable. Helen, Ext. 430/421.

GERBILS - Pleasant, clean, odorless, males & females. \$1 ea. M. Goldberg, 473-9354 eves.

4 PC COLONIAL SET - 286-8718 after 6.

GARAGE SALE - Many household items, 9-5 Sat, 1-5 Sun, 122 Oregon Ave, off Rt 112, Medford. 289-1614.

'67 APOLLO TRAVEL TRAILER - Sleeps 6, 3 burner stove, ice box, toilet, Reese anti-sway hitch. \$1400 firm. HR3-1456.

13'-1968 WHEEL TENT TRAILER - Sleeps 6, hdtip, toilet, self contained, sink, 3 burner stove. \$975. Bill, JU1-5726.

RADIO - Am/fm, transistorized, portable & table, 1971 model. \$20. Bob, Ext. 574, 6-12 pm; JU8-7211, 9am-4pm

MEN'S B-4 STYLE BAG - \$10. Ext. 7219.

WOOL TOPCOAT - Roger Dunstan, size 40, worn twice. Cost \$92, sell for \$35. Thornton, Ext. 7177.

3 PC SUIT - Hard worsted wool, size 39R, muted herringbone weave, worn once. Cost \$112, sell for \$40. Thornton, Ext. 7177.

AFTER 6 DINNER JACKET - Size 39-40, imported cashmere wool, current style. \$38. Thornton, Ext. 7177.

WOMAN'S SKI PARKA - Down filled, med, blk. Ext. 7219.

SHETLAND VACUUM CLEANER - 1969 deluxe model, all access, good cond, needs latch button for hose. \$20. Ext. 574, JU8-7211.

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

BROOKHAVEN HAMLET - Tremendous 10 rm (plus) home on secluded, wooded 3/4 acre, compl w/in-the-ground swimming pool. High \$40's. L. Baker, Ext. 591.

For Rent

UNFURN APT - 4 rms & bath, downstairs, all util incl in lease, garage, cellar & yard. \$200. E. Webster, 286-8850.

BUNGALOW - On LI Sound at Jamesport, 30 min to Lab & 20 steps to beach, avail from June 19 - July 31, will accept 2-wk rental periods. \$150/wk. Dick, Ext. 601, 929-4551.

Wanted

SERVICE MANUAL FOR 64 PLYMOUTH - Ext. 638. 3 BEDRM HOUSE - Good cond, by August, principles only. 281-8649.

SINGERS - North Shore Choral Soc now rehearsing Mozart Requiem, Tues eves 8-10 at Pt Jeff HS Music Rm. Ext. 7881.

'66-'69 JEEP WAGONEER - 4 w/d, must be good shape. Stan, Ext. 2229.

SERVICE MANUAL - For '61 Rambler Classic. J. Yelk, Ext. 7404.

TREE REMOVAL - & chain saw work. Ken, 281-8622 eves.

55-GAL AQUARIUM - Any cond, even broken sides, reasonable cost. Cathy, 286-8496.

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

BABYSITTING - Mother will babysit in own home, Riverhead area. O. Booker, Ext. 2411.

BABYSITTER - Will care for your children while you work, Centereach area. 588-1566.

PORT-A-CRIB - Sturdy, good cond. C. Stewart, Ext. 2925, 744-6427.

CAKE ORDERS - Will bake & decorate as you wish; Easter ideas: lamb, cross or bunny cake. Ann, 281-4923.

POODLES - To clip, reasonable price. 281-6283.

Carpools

FARMINGVILLE AREA - Wish to join or form carpool. Stu, Ext. 2723.

DRIVER WANTED - To compl carpool from Patchogue. Bill, Ext. 353.

GOING MY WAY - Carpool or pay for a lift to & from 1998 Rt 112 (between Coram & Pt Jeff Sta). Bob, Ext. 7262.

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

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.

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

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

7. Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employees signature.

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