

BROOKHAVEN BULLETIN

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Maurice Goldhaber Wins AEC Citation

Dr. Maurice Goldhaber, Physicist and former Director of BNL, has been chosen to receive an AEC citation for his "significant contributions to the nation's energy program as a pioneer in the field of experimental nuclear physics research."

Dr. Dixy Lee Ray, AEC Chairman, announced that AEC citations for outstandings contributions to the nuclear energy program also will be awarded to Walker Lee Cisler, Chairman and former President of the Detroit Edison Company, and Sherman Richard Knapp, former President and Chairman of Connecticut Power and Light Company and Northeast Utilities, now retired.

The awards, consisting of a citation and a gold medal, will be presented at a ceremony at the St. Francis Hotel in San Francisco on November 13. Dr. Goldhaber's citation reads as follows: "For his significant contributions to the nation's atomic energy program as a pioneer in the field of experimental nuclear physics research, while serving as senior scientist and director of the Brookhaven National Laboratory, 1950-1973; for his discovery, with Sir James Chadwick, of the photodisintegration of the deuteron; for his significant studies of the interactions of slow neutrons with nuclei; for his skillful development and application of the methods of nuclear spectroscopy to the study of nuclear excited states; for his invaluable contributions to the knowledge of particle physics; and for extraordinary skill in administering a large scientific lab-

While studying physics at Cambridge University, England, in the 1930's, Dr. Goldhaber collaborated with Sir James Chadwick in the discovery of the nuclear photo-electric effect, the first example being the disintegration of the deuteron particle by gamma rays from a radiothorium source. The photo-disintegration of deuterons plays an important role in the neutron economy of reactors using heavy water as a moderator.

In 1937 Dr. Goldhaber and G.H. Briggs made the first systematic study of slow neutron scattering in the majority of elements. The cross sections they found proved to be very useful in the development of the first

In 1940, he and J.W. Coltman showed that beryllium has a sufficiently low cross section for slow neutrons to be a useful neutron moderator in reactors. They voluntarily withheld publication of this information until after World War II.

During his years at Brookhaven (1950present), Dr. Goldhaber has specialized in the study of nuclear isomers and fundamental particles. He has made signnificant contributions in these fields and many of his research discoveries have formed the basis for much of modern physics and reactor science technology.

Born in Lemberg, Austria, Dr. Goldhaber moved to the United States in 1938 and became a naturalized citizen in 1944. He began his study of physics at the University of Berlin and then studied for two years at Cambridge University, England, receiving his PhD degree in physics in 1936.

During his tenure as laboratory director, important new methods of operating a large laboratory for the general scientific community have emerged and have been in-

BERA Board Open Meeting

The next BERA Board meeting will be held on Thursday, November 8, at noontime in Room A, Berkner Hall. This will be an open meeting and interested employees are invited to

Pleasant Weather Brings Out Public For Visitors' Day

Warm sunshine and balmy breezes brought out a crowd of 3500 members of the public to get a look at Brookhaven's annual science fair.

A mixed group of young and old - cub scouts and senior citizens - married couples and family groups - made it worth while for the Brookhaven employees who manned the exhibits on Saturday for the 24th Annual Visitors' Day.

After receiving programs and a brochure at the registration desk, most visitors "signed in" with the computer in the lobby of Berkner Hall before starting a walking tour that ended in the gymnasium.

After viewing the exhibits in the gym, visitors took busses to the exhibits in the outlying areas and ended their tour at the theater before returning to Berkner to get a bite to eat at the cafeteria.

Most Departments and Divisions had revamped exhibits used in previous years, and as a result, new areas of research were able to be explained to the visitors as they completed their tours.

This Saturday High School Visitor's Day will be held starting at 9 a.m. and lasting till the last visitor leaves after 4 p.m.

Employees who have not had a chance to see Visitor's Day in operation may still get tickets for Saturday's show by coming to the Visitor's Service Office in the Administration Building (see Dorothy Schroeder).

corporated into other laboratories, including CERN in Geneva, Switzerland, and SLAC at Stanford University.

Dr. Goldhaber was awarded the Tom W. Bonner Prize of the American Physical Society for outstanding experimental research in nuclear physics. He is a Fellow of the American Academy of Arts and Sciences, of the American Physical Society, and of the Philosophical Society. He is also a member of the National Academy of Sciences, a former trustee of Universities Research Association, and a member of the board of governors of the Weizmann Istitute of Science and of Tel Aviv University in Israel. He has been a consultant at other national laboratories and has served as a member of many scientific advisory groups, including the National Academy of Sciences and the National Science Foundation. From 1951 to 1953 he was as associate editor of Physics Review.

His wife, Dr. Gertrude Scharff-Goldhaber, with whom he has collaborated on a number of significant research projects, is also a physicist at Brookhaven National Laboratory. Dr. and Mrs. Goldhaber reside at 91 South Gillete Avenue, Bayport,



The ever-popular stressed glass exhibit was only one of the things that visitors saw last Saturday during the 24th Annual Visitor's Day at Brookhaven.

Energy Conservation

The Laboratory will shut off all utilities to five buildings as part of its continuing effort to reduce energy consumption, primarily fuel oil and electricity. The Exhibit Hall (184) and the Theatre (424) will be shut down November 5, 1973. The old Lecture Hall (178) and Buildings 194 and 426, previously occupied by the High Energy Equipment Pool, Central Instrument Pool, Office Machine Repair, and the AEC Patent Group, will go "cold iron" on November 30, 1973. Anyone having equipment stored in these buildings that could be damaged by a lack of heat should arrange through their department administrator to have the equipment removed to another location.

It has been estimated that the closing of these buildings will save 92,000 gallons of fuel oil and 130,000 KWH of electricity

There are additional savings to be had by turning off all unnecessary lights, equipment, etc. and by reducing thermostat settings to 68° during the day and 60° at night and on weekends and holidays.

Since fuel oil is most commonly required for the production of heat and the generation of electricity, the above positive actions if duplicated by homeowners and other companies will make the available quantities of oil in Suffolk County last a little longer, hopefully through the coming

Third Marathon -First Bike-a-thon **Draws 52 Entries**

Brookhaven's Third Marathon and First Bike-a-thon was run on Sunday morning before a crowd of over a hundred friends and relatives who braved the 51-degree threatening weather to cheer the contes-

Chilly weather must have spurred the runners on as evidenced by the improved time shown by those who ran in previous races. The open class winner, Lawrence Farrell, son of Henry T. of the Accelerator Department, cut 4 minutes off his time for a shorter race held in 1972.

The winner of the on-site employee class, who also took the prize for the over-40 class, was Ernie Warburton of Physics, who lopped 2 minutes from his time for the same course last spring.

Linda Farrell, wife of first place winner Larry, took first place in the women's class in spite of her finishing last in the overall standings. Her 88-minute run was well ahead of the last three finishers in the spring marathon.

The youngest entry was 12-year old Andrew McNerney, son of Andrew J. Mc-Nerney of Accelerator, who finished 20th in a field of 25 runners. Andy is a seventh grade student in the Shoreham Middle School.

In the 17.5-mile Bike Race, top honors were taken by Colin Walters, a guest researcher from Rutherford Labs, who is working with Bill Sampson on superconducting studies. Colin came in a minute and a half before the second place contes-

The Women's cup was won by Christine Saitta from the Physical Review, who topped the other woman entry, Ellen Baer, by a good seven minutes.

Junior division honors were taken by Chip Thien, son of Carl, Public Relations, with a respectable time that placed him seventh in the overall standings. Chip is a ninth grade student at Miller Place Junior-Senior High Schol.

A fair start for the Marathon and the Bike Race was insured by Laboratory Director George Vineyard, who handled the starting pistol with all the aplomb of a professional starter. After the initial shot, Race Committee Chairman and Official Starter Bob Powell took over the chore of starting the bike racers at 30-second intervals.

One starter in the marathon, Vinnie Racaniello, arrived about five minutes after the starting gun, and managed to cross the finish line in 15th place.

Regular marathon watchers noted that Gus Prince still managed to lead Don Mac-Kenzie over the finish line by less than a minute. Doug Carlson and Dave Cox were still not successful in beating Ernie War-

John Axe, last place finisher in the first marathon, has steadily been improving his position, and is now well away from last

Inscribed ceramic mugs were awarded to each of the first place finishers, and imprinted Tee shirts were given to each participant. Organizations that helped in providing money for the purchase of prizes (Continued on page 2)



Ernie Warburton of the Physics Department, crosses the finish line to take a double trophy in the Employee's Division and the Over Forty Division of the Third BNL Marathon on Sunday.

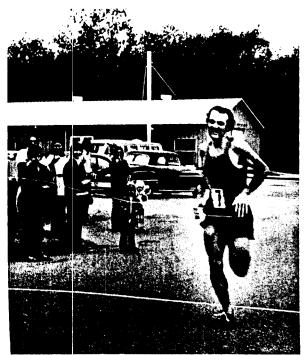
November 2, 1973



Runners get set as George Vineyard prepares to fire the starting gun for the third BNL Marathon. The 25 runners all finished the race within a 33 minute span between the first and the last runner.



Laboratory Director George Vineyard fires the starting gun for the first bike racer as Bob Powell (left) checks stop watch. Bike racers started at 30-second intervals.



Larry Farrell



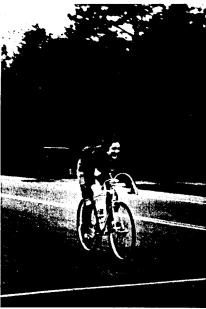
Andy McNerney



Linda Farrell



Marathon winners were: Ernie Warburton, Employee and Over Forty Division; Lawrence Farrell, Open Division; and Linda Farrell, Women's Division.



Chip Thien



Bike Race winners were: Colin Walters, Senior Division; Christine Saitta, Women's; and Chip Thien, Junior.

1973 Brookhaven Perimeter Marathon — 10.0 Miles

October 28, 1973 Weather Conditions: Overcast			Time 1105 nd 6-8 NW
Place	Name	Department	Time
1	Lawrence Farrell	Guest	55:45.0
2	Ernest K. Warburton	Physics	61:04.5
3	Robert Butts	Guest	61:40.5
4	Douglas M. Carlson	Biology	62:04.8
5	David E. Cox	Physics	64:54.0
6	Augustus Prince	DAS	65:10.4
7	John C. Norvell	Biology	65:50.5
8	Donal R. MacKenzie	DAS	66:05.5
9	Stuart Glass	Applied Math	66:22.0
10	Andrew J. McNerney	Accelerator	67:04.8
11	Richard B. Britton	Accelerator	69:29.8
12	Arthur D. Harris	Applied Math	70:27.5
13	Tom Lacey	Guest	71:33.6
14	Robert Saar	AIP	72:51.0
15	Vincent P. Racaniello	Accelerator	73:05
16	William F. Piel	Physics	73:37.5
17	Desmond Loughman	Guest	74:52.0
18	John D. Axe	Physics	75:14.8
19	John J. Brennan	Plant Engineering	75:32.8
20	Andrew P. McNerney	Guest	76:59.0
21	Arthur B. Scott	Applied Math	77:00
22	Robert H. Tucker	Physical Review	80:06.8
23	D. Zinman	Guest	86:02.3
24	Gerald Farber	DAS	86:54.4
25	Linda Farrell	Guest	88:03

Marathon-

Bike Race (continued)

were: The American Physical Society, Lindsay's Gas Station, Bankers Trust of Suffolk, American Institute of Physics, and the BNL Cafeteria.

Robert Powell (Reactor) was the race committee chairman and the official starter. He was assisted at the starting line by Georgia Irving, who also acted as treasurer for the race committee. Other members of the race committee were Jerry Kinne (Director's) and Carl Thien (Bulletin).

Helping during the race on Saturday were: Willa Prince, John Guthy, Paul Tichler, Ralph Fairchild, Hermann Geist, John Penney, George Mooney, Betsy Britton, Ric Britton, Pat Aggus, Trevor Aggus, Richard Watson, Les Lawrence, Jack Baer, and Virginia Thien.

Traffic control and other valuable assistance was rendered by Captain David Hettrick of the Laboratory police and members of the Security force. The staff of the Brookhaven Bulletin helped with pre-race arrangements.

1973 BNL Bike Race — 17.5 Miles

Place	Name	Time
	Seniors	
1	Colin Walters	51:14
2	Jean Bussiere	52:54
3	Richard Kellogg	53.30
4	John Aggus	54:46
5	Gerry H. Morgan	55:00
6	Phillippe Gorodetzky	57:06
7	Kenneth Powell	62.40
8	John H. Maddock, Jr.	66:55
9	William Herndon	67:50
.0	William H. Tuttle	70:06
1	T.S. Clifford	75:00
2	Frank A. Humphry	75:29
	Juniors	
1	Chip Thien	57:18
2	Brian Powell	60:48
3	Louis Caisey	61:23
4	Fred Blume	64.29
5	Stephen Cox	64:37
6	Andy Rees Alburger	65:08
7	Chris Humphry	65:22
8	Martin Aggus	66:07
9	Jerry Bauernfeind	66:28
0	Gavin Watson	66:36
1	Harvey Nill	74:02
	Women	
1	Christine Saitta	67:14
2	Ellen Baer	74:40

Published Weekly for the Employees of Brookhaven National Laboratory

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Election Day Working Hours

The normal working hours for the Laboratory on Election Day, Tuesday, November 6, will be from 0830 to 1500. However, all employees working this schedule will be paid an additional two hours at straight time so that they will not suffer a loss of base pay. Nonexempt employees in positions which require a full eight hours of service will be paid for ten hours of work at straight time.

Time cards for nonexempt employees working the normal Election Day schedule should show 1500 as their time out and "E" should be entered in the remarks column. All other nonexempt employees' time cards should show time actually worked and "E" should be entered in the remarks column.

Photo Show Coming

The BERA Art Committee has announced that its next show will be devoted to the work of two photographers, Edmund Engelman and Sandra Wiener. Sigmund Freud's Vienna Office is the subject of Engelman's photographs; Sandra Wiener's work comes from her recent book "They Call Me Jack."

The show will open on Monday evening, November 12, in the Berkner Hall meeting rooms. It is expected that the photographers will be on hand for the opening to which all Laboratory personnel and family are invited. Further details will be given in next week's Bulletin.

IBEW Meets November 26

Local 2230 IBEW will hold its regular monthly meeting on Monday, November 26, 1973, at 8 p.m. in the K of C Hall, Railroad Avenue, Patchogue. There will also be an afternoon meeting at 2 p.m. for shift workers in the Union office at 31 Oak Street, Patchogue. On the agenda will be regular business, committee reports, and the President's report.

Please note that the meeting day has been changed because of the Thanksgiving Holiday.

Letters To The Editor

Dear Sir:

I am writing in hope of getting some pictures of the nuclear reactor. I need these pictures because I am doing my science fair project on nuclear reactors. These pictures might help bring up my grade and my mother will kill me if I get a failing grade. So if you could, please send them to me.

Sincerely, Ray Smith

Editor's Note: The pictures and several booklets pertaining to reactors were sent out by the Public Information Office the same day the letter was received.

Dear Sir:

I wish to thank you for a marvelous time on Visitors' Day. The layout was much better this year and I felt at ease just being there. It was like coming home. I hope I'm around next year to come see you. The whole thing is interesting and next year I would like to ask questions.

Sincerely, Karen Burrowes

Arrivals & Departures

William H. Hardy, II Physics Paul S. Kupferman Applied Math Earl E. Mesaros Plant Engrg.

Arrivals

Departures

Catherine R. Trautwein Fiscal

French Group Lecture

The next meeting of the French Group of BNL will take place on Wednesday, November 14, at 8:30, in Room C of Berkner Hall. Dr. Konrad Bieber, Professor of French and Comparative Literature at SUNY Stony Brook will talk on "L'Écrivain en Citoyen."

Prof. Bieber received his early education in Germany, was awarded the degree of Licence de Lettres by the University of Paris (Sorbonne) and received his Ph.D. at Yale University. He has been at Stony Brook for the past six years. All interested members of the BNL community are invited to attend the lecture, which will be in French.

In his talk, Prof. Bieber will illustrate the theme of the writer as political activist with several examples taken from French history of the present century. The Dreyfus case, which brought France nearly to a state of civil war, pitted Émile Zola and Anatole France against Maurice Barrès. In our own time, the Resistance movement during World War II mobilized writers such as Albert Camus and Jean-Paul Sartre. Two decades later, these same men were criticizing their government for its continuation of the war in Algeria.

The French Group of BNL carries on a program of lectures, films, concerts, and social gatherings, and welcomes new members from BNL or from surrounding communities. For additional information call either Morris Perlman (Ext. 4344) or Ralph Weston (Ext. 4373).

Serpents Teeth To Be Repeated

The selected dramatic excerpts entitled "Serpents Teeth," recently presented by the BERA Theatre Group will be performed again this Saturday, Nov. 3 under the auspices of Cabaret Theater at the Old South Haven Presbyterian Church Carriage House, Beaver Dam and South Country Road, Brookhaven. The doors open at 8:30 p.m. and wine and cheese will be served. All are welcome. The scenes, selected from several plays, all deal with the relations between parents and children.

Family Camping Club

BNL's Family Camping Club will hold its regular monthly meeting on November 15 at 8 p.m. in the recreation building 317 in the Apartment Area. On the agenda will be reports of the trips for the 1973 camping year and the election of officers for the coming year.

We wish to extend a hearty welcome to anyone who would like to come to the meetings. You will enjoy friendly conversation and a delicious cup of tea or coffee. So do come and join us.

Selected Reading

Endeavour 32, September 1973 Mediaeval transmissions in science. H. J. J. Winter. 134-8

Environment 15, October 1973

Energy: Some aspects of the crisis you haven't heard much about: +

Energy and the weather. J.T. Peterson. 4-9 Autos, energy, and pollution. M. Edel. 10-17

More resistance to electricity. D. Chapman, T. Tyrrell and T. Mount. 18+

The energy cost of pollution control. E. Hirst. 37-44

J. Amer. Soc. Inform. Sci. 24, September-October 1973

Scientific elitism and the information system of science. D. J. Amick. 317-27

Bull. At. Sci. 24, October 1973
Science and man in the Americas R S

Science and man in the Americas. R.S. Lewis, et al. 2-31

J. Chem. Educ. 50, October 1973
Fusion power: Hallmark of the 21st Century. J.
W. Landis. 658-62

New Sci. 60, October 4, 1973 The Greenberg file. D. Greenberg. 36-7

The Greenberg file. D. Greenberg. 36-7

New Sci. 60, October 11, 1973 Scientific sinophile. J. Needham talks to D. Dickson. 122, 23+

Sci. News 104, October 13, 1973 Would you buy a used car from a physicist? 230 The Atom (Los Alamos) 10, October 1973 Historic ruins have priority. 1-4

Symposium on Life Beyond Earth and the Mind of Man, Boston University, November 20, 1972. R. Berendzen, ed. NASA SP 328

Bowling News

Grace Fales

Pink League

Marge Stoeckel was No. 3 to join the 200 Club, rolling a fantastic 201/544. Other high games for the night: C. Beckner 191/525, A. Blake 175, J. Hamilton 175, B. Jellett 172, R. Piccione 171 and H. Caisey 169.

Green League

Confucius say: Man who does not get many strikes in bowling should not give up hope. Probably very good at baseball! 200's for the night were rolled by F. Abbatiello 223, G. Speidell 201, C. Tomesch 200, J. Ferrero 204, W. Kollmer 200, R. Marlow 214, R. Meier 202, C. Bohnenblusch 201, E. Meier 201 and R. Jones 213.

Red League

The award of the night goes to R. Nelson for his 213/219/610 scratch series, 694 gross series. 2 Club Awards to Ralph. Congratulations! Other high scores were R. Adams 215, L. Chirco 208, T. Jesaitis 214, F. Hohmann 221, B. Brehm 200, J. Petro 247, N. Carter 201, B. Buzzeo 214, R. Wilson 212 and J. Ferrante 204.

Black and Blue League

The M. J.R.'s are still in first place, 7 points ahead of the second place Maybe's; the rest of the league bunched up close behind. Bill Lebitski and Joe Mayeski were having their own competition - who can leave the most splits for the night. Bill won 10 to 9 with 6 in one game. He even managed to leave two splits on one ball. Hint: When bowling against Bud Pollock, a kiss on his cheek will result in an open frame for Bud. High's for the night: Marge Neherman 185/518, Pat Lebitski 164, Lou Totans 210, Tom Jesaitis 206 and Lew Jacobson 200.

Gymnasium Schedule

The Gymnasium will reopen on Tuesday, November 6th. This year, due to the many BERA sponsored programs, there will be no evenings open for General Activities.

All employees are asked to cooperate in this matter and inform their family members and friends that only scheduled activities involving BERA programs will be permitted after 5:00 p.m.

Activity chairmen will be responsible for their scheduled games.

Schedule

Monday

5:00-9:30 p.m.	Mixed Volleyball
	League.
Tuesday	
5:00-7:00 p.m.	Judo Club
7:00-9:30 p.m.	Team Practice
•	(by reservation)
Wednesday	
5:00-9:30 p.m.	Men's Volleyball
•	League
Thursday	Ü
5:00-9:30 p.m.	Basketball League
Friday	· ·
5:00-7:30 p.m.	Soccer League
7:30-9:30 p.m.	Tennis (by posted
•	self-service reservation

Football Notes

by Jack Brennan

Applied Math won the football title though their last game with the Dirty Sox was an incomplete 24-24 tie. The game could not continue because of darkness.

The Slow Pokes beat the Circuits 7-6 to grab second place.

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4	5
0	9
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Badminton Tournament

The third annual Badminton Tournament will begin on November 19. A singles and doubles pyramid tournament will be scheduled for approximately 20 weeks. All entries should be submitted to J. Binnington, Bldg. 477A by Wednesday, November 14

Rifle & Pistol Club

The regular monthly meeting of the BNL Rifle & Pistol Club will be held in the Recreation Building on Wednesday, November 14th at 5:10 p.m. There will be a report from the Nominating Committee.

The December meeting will be held one week ahead of schedule on Wednesday, December 5th also in the Recreation Building at 5:10 p.m. The date shift is necessary due to the Recreation Building being reserved for Christmas parties. Election of officers for the 1973 year will be held at this meeting.

Cafeteria Menu Week Ending November 9, 1973

Monday, November 5	
Vegetable Beef Soup	
Stuffed Cabbage & 1 Veg.	1.00
Breaded Pork Chop & 1 Veg.	1.15
Macaroni & Cheese & 1 Veg.	.95
Tuesday, November 6	
French Onion Soup	
Eggplant Parmigiana & 1 Veg.	.95
Salisbury Steak & 1 Veg.	1.00
Beef Stew Casserole	1.10
Wednesday, November 7	
Navy Bean Soup	
Baked Ham Steak & 1 Veg.	1.00
Shrimp Chow Mein on Rice	.95
London Broil & 1 Veg.	1.20
Thursday, November 8	
Mulligatawny Soup	
Beef Ravioli & 1 Veg.	.95
Beef Hash & 1 Veg.	1.00
Western Omelet & French Fries	.95
Friday, November 9	
Fish Chowder	
Breaded Filet & French Fries	1.10
Roast Sirloin of Beef & 1 Veg.	1.20
Fried Filet of Mackerel & 1 Veg.	1.00
ű	

Stony Brook Events

A variety of concerts, films, lectures and plays highlight this week's events at the State University of New York at Stony Brook. Unless otherwise noted, the events are open to the general public without charge.

Music and Theatre

An International Folk Dance, held every Friday evening, will be at 8 p.m. in the Lounge of Ammann Residential College. Admission is \$.75.

The Stony Brook Light Opera Co. presents Gilbert & Sullivan's "The Pirates of Penzance" on Nov. 3 and 4 at 8:30 p.m. in the Stony Brook Union Auditorium. Admission is \$.50.

An Artists Series Concert with Baroque Music featuring Samuel Baron, flute; Ronald Roseman, oboe; and Peter Wolf, harpsichord, will be at 8:30 p.m., Mon., Nov. 5, in Room 105 of the Lecture Center. Admission is \$2 and tickets will be sold at the door. For additional information, call 246-5674.

The Gershwin Music Box will present a musical adaptation of the book "The Little Prince" Nov. 9-13 at 8:15 p.m. in the Music Box of Gershwin Residential College. For ticket information call Claire (246-7041) or Mary Jo (246-7402).

The Student Activities Board presents "The Erick Hawkins Dance Co." on Sat., Nov. 10 at 8 p.m. in the Gym. Admission is \$1.00.

Forums and Discussions

The Stony Brook Union Program Development Committee is sponsoring a weekly International Cooking Exchange. This week, Tues., Nov. 6, from 12:15-2:30 p.m. in the Stony Brook Union Galley on the second floor, Stephanie Vallis will demonstrate the Greek dish, Pastisio.

The University's Interfaith Office is sponsoring a discussion on "Power and Sexuality" on Thurs., Nov. 8, at 8 p.m. in the Main Lounge of Gray Residential College. This discussion is one of a series on the theme of liberation. For further information, call Fr. Gregory Kenny (751-6050) or Rev. Louis Smith (473-4702).

Films

On Nov. 2 and 3 the COCA Fall Series will show "Up the Sandbox" at 7, 9:30 and midnight in Room 100 of th Lecture Center. Admission is \$1.00 and a limited number of tickets may be purchased at the Main Desk in the Stony Brook Union from 6 p.m.-midnight on the night of the movie.

On Sun., Nov. 4, the COCA Sunday Series will show "Mondo Cane" at 8 p.m. in Room 100 of the Lecture Center. Admission is \$.50 and tickets may be purchased at the door.

Tuesday Flicks presents "North by Northwest" directed by Alfred Hitchcock at 8 p.m. in the Stony Brook Union Auditorium.

"The Cinema," jointly sponsored by the Center for Continuing Education and the CED Student Government, will show the film "East of Eden" directed by Elia Kazan on Thurs., Nov. 8, at 8:30 p.m. in Room 100 of the Lecture Center.

Art

An art exhibit by Jacques Guilmain, Chairman of the Art Department at Stony Brook, will be shown daily 8:30 a.m. to 5 p.m. until Nov. 9 in the First Floor Administration Building Lobby Gallery.

Classified Advertisements

Placement Natices

Each week, the Brookhaven Bulletin lists personnel placement requisitions currently being processed. The purpose of these listings is, first, to give notice of all non-scientific staff positions being filled and, second, to give employees an opportunity to request conside ation for themselves or others whom they wish to recommend to BNL. In filling vacancies, the Laboratory's objective is to give first consideration to present employees, as follows: employees within the immediate group having the vacancy, employees within the department or division, employees within the Laboratory as a whole.

For further information regarding a placement notice, please contact Employment Supervisor, extension 2879 or 2882.

COMPUTER OPERATOR - Shift assignment. Applied Mathematics Department.

STAFF ASSISTANT - Bachelor's degree or equivalent in accounting with 3-5 years' experience in financial administration, Bussiness Office, Accelerator Department.

SCANNERS (2) - Temporary. Physics Department.

FACILITIES ENGINEER - B.S.M.E. or equivalent with design experience in HVAC, plumbing, conrtols, process and mechanical systems. Plant Engineering Div.

Auto & Auto Supplies

67 PLYMOUTH - Auto, sm V8, ps, looks & runs very well, \$595, 286-9260 eves.

72 DUSTER - Stal trans, 6 cyl, r/h, excel cond, sacrifice. \$1495. 286-9260 eves.

14" WHEELS - For Chevy & Pontiac, \$5 pr; 12v gen GM type, \$6 ea, 2 bbl carb & manifold for Rambler, \$7. All in good cond. Bob, Ext. 4288, 289-0357.

63 CHEVY ¾ TON H.D. - 4 spd, new brakes, new clutch, rebuilt eng, needs body work. \$350. 878-1143. 28.85-14 SNO'W TIRES - BW, good tread. \$20 pr. Hughes, Ext. 4212.

2 H70-14 WW LOAD RANGE B BELTED TIRES - Goodyear, mounted & balanced on Pont rims, like new. \$45 both, Hughes, Ext. 4212.

63 VW REBUILT ENG - Also, 66 Chevy Impala, 8 cyl. 281-0413

71 FORD 1/2 TON PICKUP - 8' styleside, 360 V8, std trans, tracklock, step bumper, radio, excel cond. \$1900. John, 878-1219.

SNOW TIRES - 2 F78-15 WSW Goodyear, 4 ply polyester on Ford rims, used 1 season, \$65 pr; 27.75x14 BW Vanderbilt on Mustang rims, \$30 pr. R. Dietz, Ext.

SUPER SHELL SNOW SHOES - 1 pr F-70-15, 4 ply, nylon cord, used ½ season. Greg, Ext. 3439, 878-

62 VW BUG - Clean, eng rebuilt, just repainted red. Michael, 878-2486.

72 BUICK SKYLARK - Ps/pb, a/c, rear de-fogger, 2 snow tires, excel cond. \$2800. 281-4595.

BANANA MOTORCYCLE SEAT - For 350 Honda, new, \$15; motorcycle helmut, \$10. Ext. 3800, 585-3794.

71 DODGE CHALLENGER - 318 V8, 3 spd stick, console, 31,000 mi, excel cond, must sell. 698-6356

62 STUDEBAKER HAWK - V8, good cond, excel tires, extras, price negiotiable. L. Kopp, Ext. 2265, 289-0567

63 CADILLAC - Full pwr, good running cond. \$200.

924-4228. 64 FORD FAIRLANE - 6 cyl, runs well. \$150. 924-4228.

67 COUGAR - Red, good tires, needs some eng work, best offer. 744-5475 after 5:30. 72 PINTO - Fuel economy, red TD sedan, auto trans, air cond, 28,000 mi. \$1750. Ext. 2654.

67 VW - Low mileage, roof racks, excel cond, stick

shift. \$695. Lou, Ext. 2480, 473-8146.

54 XK120-M JAGUAR ROADSTER - Perf cond, new X tires, leather, paint, chrome, top. \$3900. 878-0071

MINI T FIBERGLASS BODY FOR VW CHASSIS - \$150. G. Murdock, Ext. 4688.

56 JEEP - Very good cond. See Hank, T-87, Ext. 2302. 66 DODGE CORONET STATION WAGON - V8, ps, roof rack, new ball joints, shocks, muff & batt good cond. \$425. 732-6712.

72 DODGE DEMON - Ps, disc brakes, V8, bckts, center console, auto trans, excel cond. Asking \$2000 289-9196

70 IMPALA STATION WAGON - 250 hp, V8, gold & white, good cond. \$1450. V. Vitkun, Ext. 3254.

60 CHEVY ½ TON PICKUP - 6 cyl, r/h, runs well. \$250. 727-1324 after 5:30.

TIRE - Used 6.85x15, good cond; tire rims, two 5-hole 13". H. Susskincl, Ext. 4465/4461.

70 RED CHRYSLER PLYMOUTH DUSTER - Chris, Ext.

2441 Mon-Thurs, 286-9051.

Boats & Marine Supplies

12' AQUACAT CATAMARAN - New dacron racing sail, very good cond. \$350. P. Hichborn, 929-4133. 13" PROP - New, purchased as spare for 40 hp Johnson. \$16. George, Ext. 2486.

16' GARVEY CLAMBOAT 1973 - Fiberglass bottom, plywood & oak construction, new cond. \$425. 732-3296 after 6.

Miscellaneous

BICYCLE - Lady's 26", 3 spds, good cond. \$35. Ext. 3402, AT6-0798.

2 HOHNER ACCORDIONS - W/cases. \$95 for Ig one, \$75 for sm one, Les, Ext. 2449.

AIRDALE - Male puppy, 7 wks old, champion sired, shots, will housebreak and/or hold till Christmas. Johanna, 588-6947.

GE ELECTRIC STOVE - Good cond, \$25; 30-40 Krag, sporterized Springfield, Lyman target sights, excel cond, \$75. Hichborn, 929-4133.

FISH TANK - 40 gal, all glass, stand, hood, light, pump, Aquaflow filter, gravel. \$50. Saxon, Ext. 3435.

WAI NUT DINING TABLE - 4 chairs, \$40; mahagany drop leaf & 5 chairs, 2 leaves, needs work, \$100.744-

JOHN DEERE CHAIN SAW - 19", \$75. J. Fontana, Fxt 4019

2 CROSSMAN PELLET GUNS - One \$25, other \$15; gun rack, \$5. Russ, 581-1224 after 6.

MASTERWORKS AM-FM TAPE DECK - Stereo, phonograph, twin speakers. \$65. Russ, 581-1224 after 6.

PR OF FIRE DOGS - (Cast iron log holders for fireplace). \$8. Ext. 2470.

SMITH CORONA TYPEWRITER - Portable manual, "Galaxie", carrying case, pica type, 10" carriage, excel cond. \$40. S. Simon, Ext. 3388, 751-7361 eves. SMITH CORONA ELECTRIC TYPEWRITER - Carrying case, portable, elite type, 10" carriage, very good cond. \$55. S. Simon, Ext. 3388, 751-7361 eves.

55 & 29 GAL AQUARIUM - Stand, hood, rocks, gravel, filters, \$125; H.O. tracks (used just to try). Ext.

WATER PUMP - Aurora, deep well, \$20; micromet feeder, \$5. C. Goodzeit, Ext. 4711, 286-0271.

1925 PHILCO CONSOLE RADIO - W/box of spare tubes, in good cond. \$50. 286-0246.

21" REEL LAWN MOWER - W/catcher, very good cond. 286-0246.

SKI BOOTS - Mens size 8½M, upper laced, w/tree, like new. \$25. Walt K., Ext. 4514 12-1 pm.

HANOVER SKIS - 190 cm, w/Soloman step-in bindings, like new, poles. \$35. Walt K., Ext. 4514 12-1 pm. 2 PR GIRL'S ICE SKATES - White, figure, size 9, used 1 season. \$5 pr. Walt K., Ext. 4514.

OSCILLOSCOPE - Perfect cond. \$75 firm. Fred, 878-2399 after 5:30.

SEWING MACHINE - Westinghouse w/carrying case, excel cond. \$20. Bernier, 588-7770.

DRUM AND DISC SANDER - \$15; drill press, Delta 14" floor standing w/motor, \$50; bench saw, 7" mounted on table, gives 27" width of cut, \$25. Bernier, 588-7770.

LIMED OAK DINETTE TABLE - W/4 matching chairs, \$25; chest of drawers, solid rock maple, drawer opens to make desk, \$25. Bernier, 588-7770.

2 MOTORS - AC 1725 rpm, ¼ hp & ½ hp, mounted on floating rails, \$15 & \$20. Bernier, 588-7770.

VIBRATING HAND SANDER - \$5; electric drill, Thor ¼", \$15; power hand saw, 7¼", Ram Fury, \$25; corner china closet, oversize, \$25. Bernier, 588-7770.

2 TICKETS - Suffolk Symphony concert, Anna Moffo, Nov. 10, excel seats. \$8 ea. 751-1347 after 5.

PERSIAN LAMB COAT - Black, \$15; camel-colored suede coat w/detachable suede and lynx collars, \$15. Both in size 12-14. 475-2595.

LAWN MOWER - Reel type, self propelled. \$15. 928-

6538. 50 HARDY BOYS BOOKS - Like new, worth \$75, ask-

ing \$45. Great Christmas present. 286-2265 after 5. LARGE PITCHBACK - Like new. \$6, 286-2265 after 5. ELECTRIC HEATER - \$10; motorcycle helmet, \$10. Ext. 3800, 585-3794.

TWIN HAIR MATTRESSES - And box springs, old but clean. Ext. 3328.

FRIDEN CALCULATOR - Model ST10, make an offer. 286-3647

SMITH CORONA PORTABLE TYPEWRITER - 12" carriage, excel cond, wonderful gift. \$125. 286-3647. PRESTO HUMIDIFIER - Almost new. Orig \$59, sell for

SQUASH RACKET - Used twice, \$4.50; Girl Scout uniform, size 7 w/bow, hat belt, \$6. 286-3709.

HEATING UNIT - Thatcher, ideal for house or bungalow, perfect mechanically & appearance. 732-3338. 2 ELECTRIC HEATERS - \$6; 3 old square trunks, \$30;

wine press, \$20; old hand pump, \$25. 732-3338. TABLES - 2 end tables & matching coffee table, blonde, excel cond. \$45, 732-3338.

AFGHAN HOUND PUPS - AKC reg, pet & show quality, elegant & affectionate, champion background, shots. Ext. 4317, 286-0128.

2 GIRL'S 20" BIKES - Sears, single speed, excel cond. Orig cost \$45 ea, sell for \$30 & \$25. Ext. 4615, LT9-

FREE TIRE - 670-15. Stew, Ext. 4488.

PROPERTY - ½ + arce, Rte. 13, Delaware, incl 70' mobile home. Ext. 2889, 325-1961 after 5:30.

IRON RAILING - 4 pieces, 2 post & fittings. Complete \$35. Ext. 2889, 325-1961.

POWER REEL MOWER - Jacobson, very good cond, 18", only needs a tune up, \$45; hand mower, \$10. Ext. 2486.

PORTABLE COLOR TV - Sears 19", 1 yr old, cost \$340. Asking \$200. Ext. 2474, 475-7227 after 5.

DBL BED & SPRING - \$10; youth bed & spring, \$5; lawn sweeper, \$5; Jacobson reel type mower, needs work, \$10. Frank, Ext. 3531.

CONV 20" BIKE - W/training wheels, \$12; 20" girl's bike, needs tire, \$8; both in excel cond. Frank, Ext.

SEARS 6 HP SHREDDER BAGGER - Used 1 hr. Ken, Ext. 4407, 289-8212 eves.

TRAVEL IRON - GE, steam, brand new. \$10 or best offer. 286-3742.

16' ARISTOCRAT TRAVEL TRAILER - Immaculate, selfcontained, elec brakes, new tires, extras. \$1500. 928-

GIRLS' COATS - Winter, sizes 5, 6x, 10; spring size 6x, good cond. 475-6288.

MOBILE HOME IN FLORIDA - 1972, 72x12, 3 bedrms, 2 full baths, lived in 6 mos, unfurn. \$5500. Sal, 878-

ANTIQUES - Brass bed, oak table, buffet, bookcase, china closets, & other smaller items. Ext. 4621, 725-1841.

3 JAW CRAFTSMAN CHUCK - For 1" spindle. \$25. Ext. 4689.

ORLON YARN - \$2.50/lb, 654/4 oz, all colors, will deliver to Lab or may be picked up at my home. Ann, Ext. 3143, 732-9384 after 6.

CHAIRS - 2 matching antique oak din rm chairs, spindle backs w/cane seat, refinished & recaned. 363-6597.

ANTIQUE PINE WASH STAND - W/splashboard & side towel racks, flat drawer & bottom shelf. 363-6597.

RADIO-PHONO CABINET - Blond mahog, ideal for stereo components, best offer. T. Kelly, 744-3069.

40" COMPL SINK - Elec stove, end tabels, 80"-2 pc colonial sofa, recliner, misc, all good cond. 475-1054 after 5.

SINGER SEWING MACHINE - W/case. \$20. Izzy, Ext. 3613.

67 FORD CAMPER F250 - New tires, low mileage, like new, birch insides, cabinets, beautiful. \$3450 firm. A. Russo, 732-3338.

21" RCA COLOR TV - Needs repair. \$20. Neal, Ext. WILSON TENNIS RACKET - Jack Kramer autograph,

4% med, good cond. \$20. Keith, 286-3509. BOOKSHELF - Walnut wood w/lower cabinet, \$10:

wrought iron stand for stereo & records, \$5. GE clock radio, good, \$4. Janet, Ext. 3379. OLD DBL BED - Dk, curved footboard w/4 legs, headboard, $52^{\prime\prime}$ h, $33^{\prime\prime}$ h footboard, no spring or matt.

SEARS RADIO - W/auto 78 record player, cabinet 33" h x 24" w. Cost \$100, sell \$30. 727-1617.

\$30. 727-1617.

BEAGLE PUPS - 4 male, 2 female. \$10 ea. 727-1617. 19" PANASONIC COLOR TV - Table model, good picture. \$195. Ext. 4532, 581-8412.

ANTIQUE CONSOLE GRAMOPHONE - Very good working cond. \$35. Claire, 732-6712.

ANTIQUE BABY SCALE - W/wicker basket, excel cond, \$8; clam rake, used once. \$3. Claire, 732-6712. 25" RCA COLOR TV - 4 yrs old, excel cond. \$195.

Ronnie, Ext. 4174, 732-6712. FIREPLACE SCREEN - Andirons & access, brass, old but in very good cond. 924-3354.

4 PC BEDRM SET - Dk pine, excel cond. Chris, Ext. 2441 Mon-Thurs, 286-9051.

FOI DING CAR CARRIAGE - W/matt, excel cond. H. Susskind, Ext. 4465/4461.

Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed or national origin of the applicant.

PATCHOGUE - 3 bedrm house, liv rm w/fireplace, 7 closets, 2 baths, knotty pine kitchen, game rm w/ brick bar, 2-car garage, 15' pool, 90x100' lot. \$27,-500. 475-3632.

For Rent

BELLPORT - Spacious 1st floor apt in duplex, 2 bedrms, liv rm, eat-in kitchen, garage, bsmt, all util. \$265.

FURN RMS - 2 bedrms, liv rm, bath & priv entrance, working men preferred. 475-0352 after 4.

Wanted

FREEZER - Used, cheap, in good cond. Ext. 3613.

2 OR MORE TIRES - With reasonably good tread for VW bug, 5.60x15. Baiba, Ext. 3632.

LEAD GUITAR - To play & sing in hard rock band. Ray, 878-2486.

SINGLE OR COUPLE TO RENT - Efficiency apt, furnished, a/c, private. \$150/mo. J. Fischer, 475-7464. LADIES - Interested in forming ladies basketball teams. Sharon, Ext. 3331 or Louise, Ext. 3325.

PIANO - Must be reasonable. 928-6538.

TAP SHOES - Little girl's, size 12. 744-5553.

PLAYER PIANO - Or piano in good cond. Claire, 732-

HOUSECLEANING - Working couple need help up to 1 day per wk, require own transp. Ext. 4349, 472-1012.

USED UPRIGHT VACUUM CLEANER - For less than \$30. Ext. 3655, 281-2002.

2-7.35x14 SNOW TIRES - 2-14" rims for 67 Rambler. H. Susskind, Ext. 4465/4461.

CAMPBELL SOUP LABELS - Need 8000 for St. John Nepomucene School to get free projector. Mail to F. Chandler, Bldg. T-89.

Carpools

DRIVER WANTED - To compl Huntington carpool. Irv, Ext. 4581; Frank, Ext. 3270.

Services

YARD SALE - Nov. 3-4, china, glass, toys, clothes, knick-knacks, etc., 61 Station Rd., Bellport. 286-0376. ORGAN LESSONS - Experienced teacher, theory incl., your home or mine. 924-3236.

FISHERMEN - Do you want your catch smoked? Gerd,

SEWING MACHINE SERVICE - All makes, Singer our specialty, no charge for estimates. 281-1787.

HATHA YOGA FOR WOMEN - Relaxation, breath & body control through Yoga postures, sm classes, day or eve. HR2-1397. TREE REMOVAL & CHAIN SAW WORK - Also light

hauling, free estimates. Ken, 289-8212 eves. OAK FIREPLACE LOGS - Custom cut, split, delivered,

stacked, well seasoned. Ken, 289-8212 eves. CUSTOM TAILORING & ALTERATIONS- - Men's &

women's clothing. 286-3454 after 7.

YARD SALE - New, used, & antiques; Sat & Sun Nov 3 & 4, 49-53 Sheep Pasture Rd, Pt Jeff Sta. Ext. 4621, 725-1841.

5. Ads not carried because of space restrictions will be

7. Ads should be restricted to 20 words or less and typed or

held for publication in the next issue.
6. Ads are run only once and must be resubmitted if they

printed on the form provided, and must bear the employees

FIREWOOD - \$45/cord (4x4x8), 2/\$80. 924-4228.

Classified Ad Policy

Deadline is 12 noon Monday for publication Friday of the same week.

are to be repeated.

- 1. The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.

 2. All items for sale or rent must be the advertiser's
- 3. Ads for material acquired for resale in association with a full or part-time business cannot be accepted. ${\bf 4}.$ Firearms offered for sale or trade may not be brought on site.

For Sale: Auto & Auto Supplies

For Sale: Miscellaneous

Employee's Signature

For Sale: Boats & Marine Supplies

Wanted Carpools

Services

Check x the heading applying to your ad. Print or type your ad in 20 words or less.

.....Ext. ...

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 111, 40 Brookhaven Avenue

..... (Name & Phone No. To Call)

Send to: Brookhaven Bulletin, Building 460, 40 Brookhaven Avenue (Ext. 2345).