



Hot Atom Symposium



Symposium sessions were held in Berkner Hall and in the Chemistry Building. Dr. H.J. Machulla, from Germany (foreground), checks symposium proceedings during the Friday morning session. The speaker is

L. Lindner, who presented a paper on "The Chemical Nature of Recoil Tritium Produced in Different Inorganic Systems." Dr. Lindner's co-authors were P. van Urk and K. Bueno de Mesquita.

Sixth International Hot Atom Symposium

BNL was host to the Sixth International Hot Atom Chemistry Symposium last week. Previous meetings had been held in Cambridge, Tokyo, Lafayette, Amsterdam and Louvain. Actually the first major meeting in this field of research was held at Brookhaven in 1948. There were 108 participants at this meeting including 42 scientists from Europe, Asia, Central and South America.

The conference was convened on Tuesday in Berkner Hall, and concluded on Friday afternoon after eight sessions held in Berkner Hall or in the Chemistry Department. A beach party held at Smiths Point on Wednesday afternoon was a rousing success.

Hot atom chemistry concerns itself with a study of the chemical reactions brought about by atomic species having high kinetic energy, that is, the energy of motion. The most common method of producing and studying such energetic atoms is by causing nuclear transformations to occur in the system of interest. The radioactive atoms that are born in these nuclear transformations have high kinetic energies. Their surroundings slow them down and they eventually undergo chemical reaction.

An innovation at the BNL meeting involved bringing together theoreticians, molecular beam scientists and hot atom chemists in order to explore areas of overlap of interests and bring about crossing of ideas and experimental techniques. Professor Aaron Kupperman of Cal Tech was particularly appreciated in this regard for his excellent presentation and his spirited participation in the discussions.

Retirement Plan Changes Announced

TIAA-CREF, the administrators of the A.U.I. Retirement Plan, have announced a revision in their premium allocation rules which will now permit a participant to apply up to 100% of his total premium contribution to CREF. Up to now the maximum permissible CREF allocation has been 75%. CREF is the variable annuity portion of the Retirement Plan where premiums are invested in a common stock portfolio. TIAA premiums are invested in fixed obligations such as bonds and mortgages.

The Laboratory is extending this option to its participating employees effective October 1, 1971. In addition, the present policy of allowing only one allocation change per year is being eliminated. Starting October 1, Laboratory participants will be able to change their TIAA-CREF allocations up to four times per year. Such changes will be permitted as of any January 1, April 1, July 1, or October 1.

The purpose of both of these modifications is to allow individuals greater flexibility in their retirement planning. This should not be taken as a recommendation to increase premiums to CREF.

Questions concerning the new allocation option should be directed to Monroe Petty, Personnel Services Supervisor, extension 2106.

Softball Evening Coming

The competitive portion of the Softball Program has ended and now it's time for the social. The Softball Committee is completing arrangements to invite all the Activity's participants to an October party.

The affair, which will feature refreshments and awards, will be scheduled for immediately after 5:00 p.m.

Specific details are to be announced soon.

Theatre Group Notice

The theatre season is here again! Join us at the next Theatre Group meeting on Tuesday, September 28, at 8:30 p.m. Meeting location will be announced in next week's *Brookhaven Bulletin*.

In addition to our regular business the program will include a prepared reading of "If Men Played Cards As Women Do."

The Group extends an invitation to all interested newcomers to BNL.

Yang To Report On China Trip

Dr. C.N. Yang, Distinguished Professor of Physics at Stony Brook, will give the first report on his recent four-week visit to mainland China in a special campus lecture Tuesday, September 21.

The talk, to be illustrated with slides taken by Prof. Yang during his trip, will be on "Impressions of the People's Republic of China." It is scheduled at 8 p.m. in Room 100 of the Lecture Center, and will be open to the public with no admission charge.

The talk will be the first in a series of internationally oriented programs planned this year under joint sponsorship of Stony Brook's Asian Studies Program, Ibero-American Studies Program and the University's International College.

Professor Yang, who became a Nobel Laureate in 1957, returned home August 19 after a trip highlighted by a five-hour dinner party given in his honor by Premier Chou En-lai, August 4, with about 15 prominent Chinese scientists attending.

Dr. Yang has said that his visit was of a private nature, and was not related to any diplomatic undertakings.

He spent about half of his visit in Shanghai, visiting his father who is ill in a hospital there. He also visited Hofei, his birthplace, near Nanking; Da-Dzai, a model commune in the province of Shansi; and then spent about ten days in Peking. His

stay in Peking included visits to several universities and research centers and a high school.

Dr. Yang said that during the August 4 dinner party, Premier Chou exhibited great interest in the structure and problems of American society. "The Premier expressed an interest in knowing more about the United States," Dr. Yang said.

Discussion topics at the dinner party included student movements, educational reform, the black movement, universities, American reactions to President Nixon's policies on China as well as reactions to the President's troop withdrawal plans in Vietnam, and particularly, American sentiments on Japan.

Dr. Yang said that from the discussions, he could confirm the impressions described recently by James Reston of the Premier's pre-occupying interest in the directions in which Japan is moving and in American attitudes toward Japan's future.

Dr. Yang said Chinese authorities were most helpful and cooperative throughout his visit.

Dr. Yang and Dr. T.D. Lee, while working as visiting scientists at BNL in 1956, developed the theory of Non-Conservation of Parity that led to their being named Nobel Laureates in 1957. Dr. Yang has been Albert Einstein Professor of Physics at Stony Brook since 1965.

Selected Reading

Science 173, August 27, 1971
The future market for Ph.D.'s D. Wolfe and C. V. Kidd. 784-93

Geophysicists in Moscow: Signs of easier relations. P.H. Abelson. 797-800

Nuclear energy and the environment - why the controversy? Remarks by Dr. Glenn T. Seaborg, Chairman, U.S. Atomic Energy Commission at the International Platform Association Convention, Washington, D.C., July 27, 1971. U.S. Atomic Energy Commission Press Release No. S-15-71, July 27, 1971.

Seminar Cancelled

The Accelerator Department Seminar by I. Muzinich, originally scheduled for 2:00 p.m. today, Thursday, September 16, has been rescheduled for October 7.

CLC Issues Ruling On Vacation Accrual Rate

The Cost of Living Council recently ruled that increases in vacation accrual based on years of service are to be treated the same as longevity increases and may not be granted during the Wage-Price freeze.

The Laboratory's incremental vacation accrual rate based on 5, 10, 15 and 20 years of service (including the three days granted on the 10th anniversary of employment) fall into this category. In order to comply with this ruling, the Laboratory must suspend all vacation accrual rate changes until after the end of the Wage-Price freeze.

This action will affect all weekly paid employees whose vacation accrual rate was scheduled to be increased between August 15 and November 14.



In the Chemistry Symposium Room, Dr. Horst Elias of Germany, presented a paper on Thursday morning. During the course of the symposium almost 100 papers were presented at sessions that ran as late as 10:30 p.m.

Hot atom chemistry is a young field of scientific endeavor yet there are several areas where the knowledge and techniques generated by these scientists has seen practical use. The preparation of "carrier free" isotopes for use in industry and applications to the field of nuclear medicine can be mentioned.

The Seventh International Meeting will be held in the nuclear center in Jülich, Germany, and will be chaired by a BNL alumnus, Professor G. Stöcklin. An innovation at the Seventh Conference will be the inclusion of sessions on the application of hot atom chemistry to practical problems.

New Stockroom Hours

Withdrawals of supplies from the main stockrooms will be limited to the hours between 8:30 a.m. and 3 p.m. for all normal withdrawals.

Emergency issues may be arranged by calling the Supply and Materiel Manager, Ext. 2184.

The affected stockrooms are: T-90 (electronics and tools), T-91 (maintenance supplies), T-86 (stationery), T-194 (Laboratory supplies and glassware), T-158 (bulk warehouse), and T-206 (metals and plastics).



Three of the four committee members of the Sixth International Hot Atom Chemistry Symposium at Brookhaven were: Chairman Alfred Wolf, BNL (left); Garman Harbottle, BNL (center); and Dr. Louis Lindner, Institut Voor Kernfysisch Onderzoek, Amsterdam, Netherlands.



Symposium participants were taken on informal tours of various experiments of the Chemistry Department. Ron Finn (center) of the Chemistry Department is shown in the cyclotron with some of the touring chemists.



Registration desk at Berkner Hall was handled by Elaine Rowland, Carol Redvanly, and Dolores Seay, all of Chemistry. A large percentage of the more than one hundred participants came from countries other than America, and travel arrangements were made through this reception desk.

Cooking Exchange Begins Regular Fall Season

The Cooking Exchange was started at the suggestion of Laboratory wives and foreign visitors with a common interest in food. The purpose of the Cooking Exchange is to demonstrate, exchange and sample the exotic, as well as the standard, dishes of various countries. All Laboratory wives are invited to participate in these cooking sessions.

Regular meetings of the group are held from September until May in the Recreation Building in the Apartment Area. They are scheduled for every other Thursday beginning on September 23 from 3 to 5 p.m. Each adult is requested to contribute 75¢ to pay for the cooking demonstrations and the babysitters which are provided for children.

The group's cookbooks, "The Glorious World of International Cookery," volumes I and II, contain recipes demonstrated at meetings. Copies of the books which were published by BERA may be purchased at the Recreation Office.

One of the annual highlights of the year is a Christmas party at which husbands are invited to partake of the delicacies of the season from many countries. A fabulous dinner, to which the husbands are also invited, is given at the end of the year's activities in June.

The first meeting of the season will be held on Thursday, September 23, from 3 to 5 p.m. in the Apartment Area Recreation Building. Fresh fruit and vegetables will be featured in the cooking demonstration.

Here and There

Claire Lamberti

Myron C. Ledbetter (Biology) attended the meeting of the Electron Microscopical Society of America, held in Boston, Massachusetts, August 9-13.

Dr. David Berley (Accelerator) attended the APS Division of Particles & Fields Meeting in Rochester, New York on August 30-September 3.

Lewis J. Green (Biology) recently participated in the Summer Institute of the Will Rogers Hospital in Saranac Lake, New York, and gave two seminars: "Bradykinin potentiating peptides: inhibitors of the metabolism of kinins and angiotensin I" and "Limited Proteolysis: a general mechanism in physiological regulation."

Jack E. Jensen (Accelerator) was in Washington, D.C. on August 29-September 2 to attend the 13th Congress of the International Institute of Refrigeration. During the meeting he was elected to a three-year term on the Board of Directors for the Cryogenic Engineering Conference, which sponsored this meeting.

Jack Van't Hof (Biology) recently attended a symposium at the University of Rochester, New York, on "The Dynamics of Meristem Cell Populations." He presented a paper entitled "Mitotic cycle regulation in the meristem of cultured roots: the principal control point hypothesis" and chaired a session on "Structural Dynamics of Meristems."

More On The Pill

A higher frequency of chromosome breakages has been found in oral contraceptive (OC) users compared to other women and to men in a study conducted by cytogeneticist L. Gayle Littlefield at Oak Ridge. This work is supported by HEW's Center for Population Research, National Institute of Child Health and Human Development.

Similar chromosome breaks can be induced by a wide variety of agents, including other drugs, infections, and commonly used substances such as coffee. Many scientists consider these breaks a normal occurrence, and Dr. Littlefield's study substantiated that breaks occurred in control groups. The significance of these breaks to health is not clear.

Cultures were taken from 29 OC users, 20 other women, and from 10 men. Chromosome analyses of more than 10,000 blood cells from each group showed: 1) breakage occurred in each group, but was least frequent in cells cultured from men; 2) breaks in OC users were over 2 percent more frequent than in other women, a slight but significant increase; and 3) more breaks were found in each group in late spring and summer.

In the oral contraceptive group, average incidence of breakage was 9.2 percent, 2.4 percent higher than in other women and 3.7 percent higher than in men.

The number of abnormal cells from the same subject varied over time, suggesting that the cells studied may be quite susceptible to agents known to cause chromosome breakage. In some cases, fluctuations in the number of abnormal cells found in the same individual could be correlated with illnesses.

The cells cultured were blood lymphocytes, which, as the mediators of the body's immune response, may react uniquely to chemical or humoral agents. Therefore the last phase of the three-year study will investigate whether the increased chromosome breakages seen in lymphocyte cultures in OC users are representative of chromosome damage in other cells. Skin cells from subjects who demonstrated increased lymphocyte breaks will be analyzed and compared to the lymphocyte data.

The study will also follow several women before, during, and after pregnancy to determine whether chromosome breaks are associated with a natural change in hormonal state.

Mountain Club Meeting

The Mountain Club will meet on Thursday, September 16 in the Recreation Building at 7:00 p.m.

The program will include the election of new officers and plans for trips this fall. Come one, come all!

BROOKHAVEN BULLETIN

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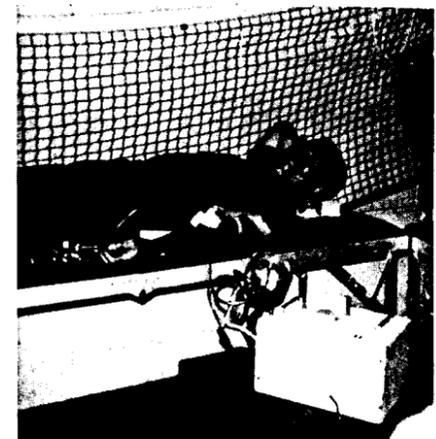
CARL R. THIEN, Editor
CLAIRE LAMBERTI, Editorial Assistant

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

NORBERT J. DERNBACH
Public Relations Officer

Letters To The Editor

Dear Sir:
I took this picture of one of the "early" donors. I took his name but evidently lost it. As you can see he was on the separation machine.
Please give it to the young man.
Thank you,
Mrs. E. Wereley,
Volunteer L.P.N.



Editor's Note: The color print of the above picture may be picked up at the Bulletin Office, 40 Brookhaven Avenue, Room 116.

Arrivals & Departures

Arrivals

Janet P. Arnone.....	Biology
John T. Ballard.....	Biology
Anthony J. Baltz.....	Physics
Robert A. Bari.....	Physics
Peter S. Carlson.....	Biology
Carl B. Dover.....	Physics
George P. Fabian.....	P.E.P.
Everett Flanigan.....	Chemistry
Nathaniel A. Greenhouse, Jr.....	Instr. & H.P.
Ahsanul Huq.....	Physics
Peter J. Kortman.....	Applied Math.
Andrew J. Manning.....	D.A.S.
Anthony Novaco.....	Physics
Dorothy D. Scott.....	Medical
Edgar V. Shrum.....	Physics
Anna-Maria Vasquez.....	Medical

Departures

Gerard W. Fetten.....	Instru. & H.P.
Albert D. Gilbert.....	P.E.P.
Frank E. Heiner.....	Supply & Materiel
Agnes Ingoglia.....	Medical
Salvatore Ingoglia.....	Accelerator
James A. McKoy, Jr.....	P.E.P.
Arthur N. Otis, Jr.....	Accelerator
George M. Penny.....	Accelerator
Robert J. Spanburgh.....	P.E.P.
Bettina A. Stoner.....	Biology
Aldo E. Tucciarone.....	Chemistry

Footballers Kick Off

Six teams will be competing for the 1971 Touch Football crown this season. They are:

Team	Captain	Ext.
Gazelles	A. Fogarty	2797
Phoubars	D. Cullen	2532
Red Dogs	J. Post	7187
Slow Pokes	T. Prach	2821
Super Sutures	C. Heinrich	7440
High Balls	R. Barone	7356

The teams are scheduled to play through mid-October at the Recreation Park. This year each team will meet every team in the League once. After the first round is completed the top four teams will compete in a two week playoff to arrive at a champion.

If you would like to join, call one of the above captains.

Personnel Services
At the Recreation Office
Open Daily 9:00 a.m. to 1:00 p.m.

Opera Tickets Still Available

Metropolitan Opera tickets may be purchased at the Recreation Office daily between 9:00 and 1:00.

The following is a list of dates and operas for which there are still tickets available.

September	
Thurs. 23	L'Elisir D'Amore
October	
Tues. 5	Der Freischutz
Thurs. 7	Fidelio
Mon. 18	Der Freischutz
Tues. 19	Fidelio
Tues. 26	L'Elisir D'Amore
Thurs. 28	Der Freischutz
November	
Mon. 29	Luisa Miller
December	
Thurs. 2	La Forza Del Destino
Tues. 7	La Forza Del Destino
Tues. 21	Samson Et Dalila
Tues. 28	Cosi Fan Tutte

January 1972	
Thurs. 6	La Forza Del Destino
Mon. 17	Samson Et Dalila
Mon. 24	Pelleas Et Melisande
February	
Tues. 1	Werther
Mon. 7	La Forza Del Destino
Tues. 8	L'Elisir D'Amore
Thurs. 10	Pelleas Et Melisande
Mon. 14	Werther
Mon. 28	La Fille Du Regiment
Tues. 29	La Forza Del Destino

March	
Thurs. 9	La Fille Du Regiment
Tues. 14	La Fille Du Regiment
Thurs. 16	Fidelio
Mon. 20	Fidelio
Thurs. 30	La Fille Du Regiment
April	
Mon. 10	Salome
Tues. 18	La Fille Du Regiment
Thurs. 20	Parsifal

Soccer

John McCafferty

BNL 2 Vs. Grumman 2

The rain stopped and the sun came out at 4:30 on Saturday, September 11, just in time for the kick-off between BNL and Grumman. From the starting whistle BNL began an all out assault on the Grumman goal which ended in Mazura beating both Grumman fullbacks and the goalkeeper with a hard shot in the upper right hand corner of the net. BNL continued to press heavily throughout the first half. The Lab forwards played constructively and the backs flawlessly. Crow and Fairchild looked unbeatable and McLaren, at halfback, feeding the forwards with accurate passing. The net result was a good shot by Strayer, screened by Farre, beating the Grumman goalkeeper. At half time BNL was ahead 2-0.

In the second half Grumman, in order to contain the BNL forwards, played its backs at mid-field putting the BNL forwards off side on most occasions. This plus a complacency that seemed to settle on the home team had its effect when Campisi on a solo run beat three BNL backs and buried a good shot in the BNL net for their first marker. The play was fairly even for awhile with Mazura and Farrel both missing shots. But Grumman stuck doggedly to the strategy and it paid off in the closing minutes when Marks put the tying score in the BNL net.

A good clean game with both teams giving their best for one hour and fifteen minutes of constructive soccer.

Best for BNL - McLaren, Mazura, Farrel.

Best for Grumman - Campisi, Marks.

Football Notes

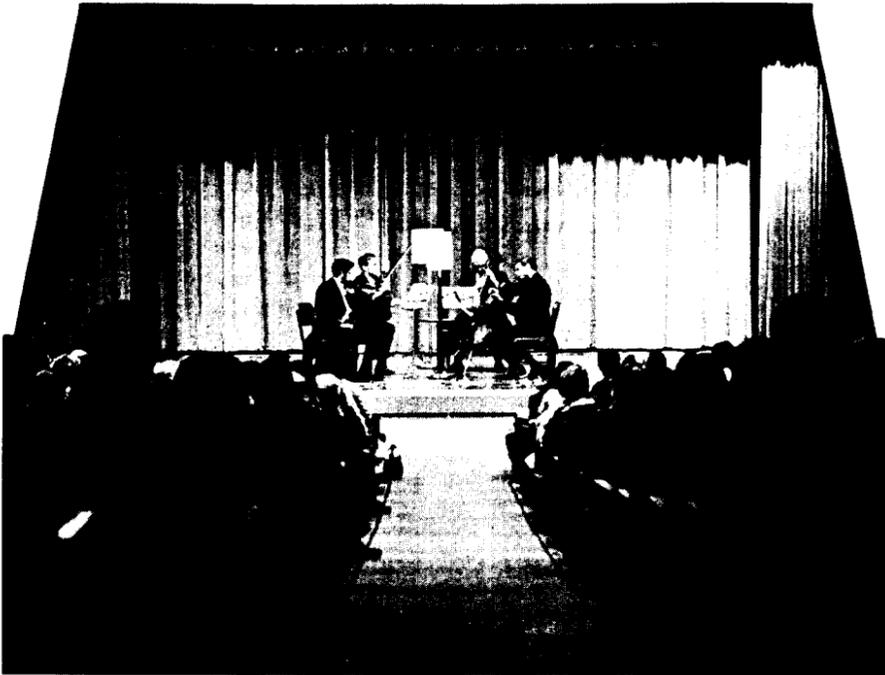
by Jack Brennan

Football News

The Gazelles opened up the football season by throwing a shutout at the Slow Pokes and scoring two T.D.'s in the first half to win 12-0.

The Gazelles kept the Slow Pokes in their own territory throughout the game. Fogarty and Lawrence scored the T.D.'s on passes from Casey.

New Concert Series Announced



The BERA Concert Committee, under the chairmanship of Myron Ledbetter of Biology, has announced the schedule for the 1971-1972 season. Series tickets for the five planned concerts will be sold for \$12 for adults, and \$6 for those under 18 yrs. Single admissions will be \$4 for adults and \$2 for those under 18. All concerts will be in Berkner Hall starting at 8:30 p.m. This series is open to the public as well as to BNL employees.

Wednesday, October 20, 1971.....	New Cleveland Quartet
Tuesday, November 30, 1971.....	Julius Baker, flutist
Wednesday, January 12, 1972.....	Robert White, tenor
Tuesday, February 29, 1972.....	Philadelphia String Quartet
Thursday, April 6, 1972.....	Albert Fuller, harpsichordist

Cafeteria Menu

Week Ending September 23, 1971

Friday, September 17	
Clam & Celery Bisque	
Fried Shrimp w/Tartar Sauce & French Fries	.95
Roast Leg of Lamb w/1 Veg.	.95
Broiled Halibut w/Carlton Butter & 1 Veg.	.95
Monday, September 20	
Tomato Soup	
Roast Fresh Ham w/1 Veg.	.90
Chicken Patties w/Giblet Gravy & 1 Veg.	.90
Western Omelet w/French Fries	.80
Tuesday, September 21	
Vegetable Soup	
Grilled Ham, Sausage & Pineapple w/1 Veg.	.90
Creamed Chicken & Mushrooms on Noodles	.90
Sauerbraten w/Potato Pancakes	.90
Wednesday, September 22	
Minnestrone Soup	
Baked Beef Loaf w/1 Veg.	.85
Shrimp Chow Mein on Crisp Noodles & Boiled Rice	.90
Polish Kielbasy w/Mashed Potatoes & Sauerkraut	.80
Thursday, September 23	
Beef Barley Broth	
Manicotti w/Meat Sauce & 1 Veg.	.85
Broiled Chicken Livers w/Bacon Strips & 1 Veg.	.90
Barbequed Spareribs & 1 Veg.	.90

Safe Boating Is No Accident

Did you enjoy your past summer? Safe boating could have made it more enjoyable. The *United States Power Squadrons* can help you to safe boating with their free, 12-week boating course taught in your locality.

Below is a schedule of classes in this locality. The dates listed are starting dates only, after which the course will be held on the same day, time and place.

Moriches Bay Squadron	
Wednesday, September 8 - 8 p.m.	Longwood High School
Longwood Road, Middle Island	
Old Field Point Squadron	
Wednesday, September 15 - 8 p.m.	E.L. Vandermuellen High School
Old Post Road, Port Jefferson	
Patchogue Bay Squadron	
Monday, September 13 - 8 p.m.	Patchogue Sr. High School
Saxton Street, Patchogue	
Peconie Bay Squadron	
Tuesday, September 14 - 7:30 p.m.	Riverhead Sr. High School
Pulaski Street, Riverhead	

For classes in other localities not listed here call free - Operator 800-243-6000.

The Art Of Berkner Hall



Water Animals - by Malone Dietrich

The viewer often requires a second look to see the water creatures in the wall hanging by Malone Dietrich that is in the reception area at the entrance to the Berkner Hall auditorium. The artist has incorporated them as lightly and coherently into her design as nature does in the ecological web of the oceans. By producing this synthesis by the weaving of colorful cloth, Dietrich has created an extraordinarily rich work which has greatly warmed the space in which it is hung. A native of Denmark, the artist is married to physicist Ove Deitrich who is on a one year visit to BNL. Her work has been shown at the Kunst Industri Museet and Den Permanente in Denmark and she has taught weaving both here and at home.

Bowling Leagues Start This Week

Our Men's and Ladies' Leagues began their thirty-week season on Tuesday at Port Jeff Bowl.

Here's the way they lined up.

Pink League		
Team	Captain	Ext.
Alley-Oops	K. Hunt	2513
BioBoozers	L. Kalbach	381
Fiscal Assets	J. Gazzola	351
Hopefuls	A. Bangel	7748
Pinsplitters	M. Stoeckel	7160
Spares	P. Oster	7538
Red League		
Alphas	C. Bachsmith	7734
Biorads	H. Marshall	382
Lucky Strikes	K. Asselta	7668
Neutrons	J. Petro	7117
Old Timers	J. Sucher	439
Phoubars	M. Petty	2512
Sparks	E. Malcolm	7415
Green League		
Bubble Boys	N. Anderson	7677
Soc-Et-Tuum	J. Austin	668
Unthinkables	W. Rasmussen	7821
Sandbaggers	R. Meier	7534
No Names	N. Parrinello	2554
Designers	E. Sperry	7782
Fire Flies	G. Fales	2359

Our Mixed League is scheduled to begin on Thursday, September 23 at 6:30 at the Oakdale Bowling Lanes. So far we have eight teams ready to go but we still have room for more teams. Call the League's newly elected Secretary to sign up - Ellie Murgatroyd, Ext. 2265.

Tennis News

It is good news for the **Mixed Doubles**. **Andy Kevey** came back to work after the Labor Day Holiday and reported that his back was coming along well enough so that we could reschedule the championship play. The finals in the **Mixed Doubles** will be played **Thursday, September 16** (this afternoon). The contestants, **Andy and Marta Kevey**, and **Helen Connell and Steve Feldberg**, have agreed to do their best to get an early start so that the match should be completed before it starts to get to be too dark to play.

In last week's play, the **Men's Singles Tournament** got moving. **Phil Palmedo** and **Jim Brandon** played their quarter-final match, with **Jim Brandon** winning 6-3, 6-3. If **Andy Kevey** comes through on Thursday without an injury to his back, he will meet **Brandon** on Friday in the semi-finals. **Allan Auskern** and **Steve Feldberg** waited out the rain Monday noon to finish their semifinals match, which went to **Auskern**, 6-2, 6-1.

The **Championship in the Men's Singles** has been scheduled for **Tuesday, September 21**.

Traffic Survival

People don't like to use seat belts. Perhaps these belts are a minor annoyance, or perhaps they are an unpleasant, unacceptable reminder that a trip in the beloved automobile is actually a life and death risk. Many self-styled experts attempt to rationalize the whole subject away with the threadbare, horse-and-buggy theory that "You're safer without seat belts because in a crash you might be thrown clear." Being "thrown clear" of a crash in today's traffic might best be compared to being shot out of a cannon onto a crowded highway.

All studies on this subject have come out overwhelmingly on the side of seat belts, and the conclusion is plain: You're safer inside the car, belted to your seat. Volvo studied 28,000 accidents involving speeds up to 60 mph, and reported no deaths of persons wearing lap-shoulder belts. GM examined 160 serious crashes involving people wearing lap-shoulder belts and of these only two died, each under circumstances unrelated to wearing or not wearing a belt. Ford estimates that nearly 10,000 lives could be saved each year if everyone would at least use lap belts. Add shoulder belts and this figure rises to an estimated 15,000 lives.

All Laboratory cars and trucks are equipped with safety belts, and those who are authorized to use these vehicles are urged not only to utilize these belts, but to report any that are damaged, missing, or too dirty to be used.

—Bill Barnes

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.

MACHINE MAINTENANCE MECHANIC B (3) - Central Shops. Application deadline: September 23, 1971.

HEATING MAINTENANCE ENGINEER A (1) - Plant Engrg. & Planning. Application deadline: September 23, 1971.

STATIONARY ENGINEER, SR. (1) - Plant Engrg. & Planning. Application deadline: September 23, 1971.

COMPUTER OPERATOR - Rotating shifts. Applied Mathematics.

BIOLOGY ASSOCIATE - General research assistance including data analysis. Biology Department.

TECHNICIAN - Waste and Reclamation Facility, Instrumentation and Health Physics Department.

DATA SERVICES ASSISTANT - National Neutron Cross Section Center, Department of Applied Science.

TECHNICAL TYPIST - Physical Review Letters, Vera Scott, Ext. 2180.

COPY EDITOR - Physical Review Letters. Physics background preferred. 5 p.m. to midnight. E. Morse, Ext. 7805.

TYPISTS - Physical Review Letters. Technical typing, day or night shift. E. Morse, Ext. 7805.

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

Autos & Auto Supplies

67 PONTIAC - Spt cpe, V8, ps/pb, r/h, auto trans, vinyl top, new batt-tires, well maintained, excel cond. Ralph, Ext. 7352, 878-1280 eves.

2-4.00X16 TIRES FOR TRAILER - Ext. 2814.

63 CHRYSLER - A-1 cond, good rubber, 2 good snows, good exhaust system, must be seen. S. Garrett, Ext. 2123.

68 PONTIAC TEMPEST - 2 dr hdtip, V8, ps, vinyl roof, auto trans, posi, turquoise. L. Emma, Ext. 591.

TIRES - Dunlop 7.00x13, 2000 mi since new. Orig \$60, sell \$40. 475-7227.

68 HONDA MOTORCYCLE - 160 CB, 7700 mi. \$285. John, 722-3043.

63 FORD COUNTRY SQUIRE WAGON - V8, needs some work. \$250. 325-0609 eves, Ext. 7617 after 9/20.

70 MAVERICK - 2 dr, auto trans, r/h, big 6 eng, vermilion, 18,500 mi, excel cond. \$1500. G. Price, Ext. 2472, HR2-1419.

65 GALAXIE 500 FORD - 4 dr hdtip, air cond, ps, avail 10/1. \$700. Joan, Ext. 7839.

2 CHEVY RIMS & TIRES - 7.10x15, 5 hole, mounted, \$3; Goodyear "42" tube type tire, 6.70x15, new cond, nylon 4 ply, \$12. Ext. 7231, 744-3339.

65 DODGE "500" HDTP - Auto trans, bckts, console, reg gas V8, good clean cond inside & out, orig owner. \$650. Barnes, Ext. 2392.

66 CHEVY MALIBU - 6 cyl stick, mech excel, some dents. \$200. Len or Ken, 475-0294.

65 OLDS F85 STATION WAGON - 4 dr w/elec rear windows, good tires, car in good cond. \$700. J. Zahra, Ext. 2258, 727-7480.

67 JAGUAR XKE ROADSTER - Green/white top, good cond, many extras. \$2000. Don, 929-6646.

64 CHEVELLE MALIBU - Rebuilt 283, 3000 mi on eng, 4 spd, Hurst shifter, 4 new tires, new clutch, tach, must see to appreciate. Asking \$500. Mike, 924-4228.

RAMBLER RIMS - 15". \$3/both. M. Strongson, Ext. 2727.

62 OLDS F85 - V8, 2 dr hdtip, bckts, auto trans, ps, eng replaced, needs finishing work. \$150. 281-2703.

71 VW SUPERBEETLE - 3eige. \$1750. Ext. 7544.

68 CHEVY NOVA - 2 dr, red/vinyl roof, 6 cyl auto, radio, new brakes, 20 mpg, excel. \$1200. B. Cahill, Ext. 2478, 732-9102.

65 PLY S/S CONV - Auto console shift, new trans, new paint, bckts, very good cond. \$595. Ext. 2580.

49 WILLY'S JEEPSTER CONV - Recent brake job & front end rebuild, in use daily, needs some work. Jeff, 286-9152.

65 BUICK RIVIERA - Very good cond. Ext. 523.

65 CHEVY BELAIR - Ps, factory air cond, excel cond. \$650. Ext. 7469, 286-0161.

73A, 6V BATTERY - Brand new. \$16.50. Jean, Ext. 7805.

327 CHEVY ENG - 365 heads, Z28 cam, headers, clutch, trans & linkage, etc, compl rebuilt. 732-7794 after 6.

68 CHRYSLER NEWPORT - 4 dr sedan, ps/pb/pw, air cond, radio, vinyl roof, custom vinyl int, good cond. \$1875. A. Goland, 286-2265.

MUSTANG PARTS - Hood, 15" rims, heater, etc. Ext. 2814.

67 DELUX VALIANT - Needs body work, \$300; pwr steering pump, \$10; 12v alternator, \$10. Ext. 2814.

DODGE ¾ TON PICKUP TRUCK - Extra tires, wheels & parts; Ferguson payload. 744-8225.

FOR 62 COMET - 12 new spark plugs, \$5; 1 radiator core. George, Ext. 565.

70 FORD GALAXIE 500 - Bckts, air cond, like new. Paid \$4200, quick sale \$2850. 878-0071 after 6.

64 XK 120 JAGUAR ROADSTER - Never raced, excel cond, under 50K miles. 878-0071 after 6.

59 CHOPPED VW - Orig owner, runs well, needs paint & sunroof. \$150. JU8-4766.

Boats & Marine Supplies

16' LAPSTRAKE "CRUISER" - 35 hp Sea Horse elec start, extras. \$300. Ext. 2381-2.

8' HYDROPLANE - W/steering wheel & cable, slight leak. Asking \$30. 744-3339 after 4.

TRAILER FOR 15' BOAT - \$75. LT9-3269.

8' DINGHY - Plywood w/oars & oarlocks, good cond. \$40 firm. J. Dorr, Ext. 2382.

CHRIS CRAFT 32' SEA SKIFF - 1970 twin 210 hp FWC 35 hrs, flying bridge, s/s tel & radio, many extras. \$8900 firm. 473-1440, 9-4:30.

PORTA-POTTI (MARINE SS) - NY approved, brand new. \$114. Jack, Ext. 684.

6V MARINE BILGE PUMP - Used less than 1 season. \$25. Jean, Ext. 7805.

BELLPORT WINDMILL 16' SAIL - All racing fittings, w/trailer. \$900. Hugh, Ext. 2871, 924-3293.

Miscellaneous

LIKE NEW TENT TRAILER - Many extras, priced to sell. 475-5052.

GE 24" CONSOLE TV - Excel cond. \$50 firm. 281-5569.

SWISS MADE PORTABLE TYPEWRITER - 11"x11"x3", ideal for student, good cond. \$15. J. Smith, 475-9254 after 6.

GIRLS 20" BICYCLE - Sears. \$9. 286-8724.

BABY SCALE - \$5. Les, Ext. 7762.

KITCHEN CABINET - Fits under soffit, 36"x18"x12"d, fruitwood color finish. Les, Ext. 7762.

DEMING ROD & PISTON DEEP WELL PUMP - & motor. \$25. R. Meyer, Ext. 481, LT9-5757.

POOL - 12' dia x 3' deep. \$20. R. Meyer, Ext. 481, LT9-5757.

STROLLO-CHAIR - Combination carriage, high chair, stroller, car seat. R. Manning, 286-0353.

DRUM SET - Compl set, 3 tom-toms, bass, snare, hi-hat, cym. Orig \$200, sacrifice \$125. 475-7227 after 5.

TAPE RECORDER - \$15; Polaroid camera, \$50; light meter, \$8; guitar, \$10; wall oven & gas stove, \$50; elec stove, \$15; Samsonite luggage, \$5. Joe, MO1-7050.

BULL-TERRIER - Female, colored, 2 yrs old, champion background, adults only. C. Howley, 924-5023.

SOFA - Green, reasonable cond. \$15. 924-3066.

CHAIN SAW - Homelite super 77, 2 yrs old, works very well, w/4 extra chains. Asking \$75. Mike, 924-4228.

DISHWASHER - Very good cond, works well, best offer. 924-4228.

CAR BED - Excel cond, \$3; accurate baby scale, \$3; Taylor Tot stroller-walker, like new, \$5; sterilizer & bottles, \$1. D. Hirst, Ext. 7328, 286-3912.

GRANDMOTHER'S SPECIAL - Stroller, \$1; maple platform rocker, \$5. Hirst, Ext. 7328, 286-3912.

PLAYTEX NURSER - \$3; infant seat, \$1; infant chair, \$2.50. Ext. 7328, 286-3912.

COX TENT TRAILER - Sleeps 6, \$550; 16'x9' tent. \$45. Ext. 2814.

SLINGERLAND SNARE DRUM - Stand, music stand, brushes & sticks, \$25; WRL Globe Chief transmitter & modulator, mike & key, \$40. Ext. 7328, 286-3912.

DROP-LEAF KITCHEN TABLE - Formica top, & 2 chrome chairs, \$10; bricks for brick-and-board bookcase. D. Hunter, Ext. 2728, 286-0375.

AIR PURIFIER - Almost new, \$35; sun lamp, \$8. 744-8755 eves.

FENCE - 100' chicken wire, \$7; 10 iron fence posts, 75¢ ea; make offer. Dan, Ext. 7662.

TOM'S TV & RADIO REPAIRS - Expert TV service in the evening at minimum costs. 878-0567.

INTERIOR PAINTING - Done eves. For info & estimate, 924-4539 eves.

LADY'S WRIST WATCH - Still new, unworn, stylish, guaranteed, ideal birthday or anniversary gift. \$24.50, worth several dollars more. Arbeit, Ext. 2448, 567-1613.

WELDER - Star Dulark 250 ampelec, 4 cyl Hercules eng, welding mask, 2-25' cables, Ferguson payload. 744-8225.

RHODODENDRONS - 2-3' heads, blue. \$8 ea. Rich, Ext. 635.

COPPERTONE RANGE HOOD - Nautilus 30", w/ filter, dual speed, light, brand new, still in box. \$25. Rich, 475-4992 after 5:30.

ARCHERY TARGET - Regulation size, woven straw. \$20. Tiny, Ext. 2304.

SEAL YOUR DOORS FOR WINTER - Save heat, interlock weatherstripping. Jerry. 281-3170.

SOFA - Blk, contemporary foam w/attached marble end tables; matching round, rotating hassock & red casual chair. 286-1213 after 5.

OIL BURNER PAK - GE Silent Heat. \$15. 667-9218 after 6

TABLE LAMPS - Matched pr, compl 32" high, perf cond. \$10. F.J. Keute, Ext. 2580, 475-2287.

OLD PHONOGRAPH RECORDS & OLD BKS - O. Booker, Ext. 2411.

GO CART - 3 hp Briggs, w/generator & headlight, extra tire. \$40. 744-3339 after 4.

GIRL'S 20" BICYCLE - \$12. 286-0798.

SEARS CAMPING TRAILER - W/add-a-room. \$350. George, 929-4818.

PICKUP CAMPER - Revella, fully equipped, 6 berths, excel cond. \$1600. 286-0798.

CLARINET OF MY OWN - Selmar Bb, case, fine cond. \$30. 286-8423 after 6.

FRENCH GRADUATE STUDENT - Will give French lessons. Saitta, Ext. 7248, 286-9051.

2 FOLDING SAFETY GATES - Ext. 2814.

CRIB - White Fr Prov w/mattress, good cond, \$20; Zenith TV, 23" colonial console, b&w, \$25. Jean, 475-7537.

DIN RM FIXTURE - 10 candle crystal chandelier, \$30; wall mirror w/etched mirrored frame (58"x42"), \$60; both/\$80. 289-2812.

FURNITURE - 3 pc sectional couch & chair/ottoman w/slipcovers, good cond. Ext. 420, 924-3761.

WIG - Short cut, curly, med brown, worn twice. Orig price \$25, asking \$15. Ruth, 878-2827.

T43 ON 82 COMPLETE - GE FM TX on 50 MC repeater input, both/\$30. Ext. 638.

TRAILER - Detroit 16', icebox, stove, sink, heater, sleeps 4, 6 ply tires, 2 elec systems. \$1395. 585-8322.

LIV RM CHAIR - Very comfortable, almost new, nylon upholstery. Orig cost \$150, asking \$65. Ann, 286-2280.

17' SWINGER TRAVEL TRAILER - 1969, self contained, shower, refig, sleeps 6. 585-3578.

YARD SALE - Interesting & unusual, new, used, bargains, Sat & Sun 10 am-6 pm, follow signs on Floyd Pkwy to 209 Revilo Ave, Shirley. Ext. 7805/7806.

SONORA HAND CRANK RECORD PLAYER - Floor model. \$50. Mrs. Heinrich, 744-6211.

CHILD'S AUTO RESTRAINING HARNESS - Never used. \$5. Ed, Ext. 2450.

EXTENSION LADDER - Wood, 12/20', \$20; Sencor bar/dot generator, as new, \$60; heavy duty vice, \$10. Ron, Ext. 610.

WURLITZER ORGAN - Contemporary, model 4030R, 6 mos old, excel cond, rhythm box, Bell & Howell tape recorder w/lessons. 727-1266, 286-3768.

CORD WOOD - Delivered \$45/cord; 2 easy chairs, ea converts to bed, \$15 ea; bathrm sink, \$5. 727-1617.

ENGLISH POINTER - AKC male, 7 wks old, liver & white, champion sired, excel for show & field. 924-8547 after 6.

GIRL'S 2-WHEELER BIKE - Suitable 5 yr old, w/ trainers. \$10. Seyfert, Ext. 2411.

GE PORTABLE DISHWASHER - Used 4 times. \$100 or best offer. Seyfert, Ext. 2411.

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

N. BABYLON - Mother-daughter home, 4 bedrms, 2 baths, 2 liv & din areas, finished bsmt, garage, beautiful landscaping, walk to all stores & conveniences. 667-9218 after 6.

SOUND BEACH - 4 bedrms, 3 baths, plus income 3 rm apt, w/w, s/s, appliances, finished bsmt, landscaped, many extras, custom, 100x100 corner property. 744-2004 after 5.

WADING RIVER - 7 rm ranch, 1 yr old, 3 bedrms, 2 baths, paneled fam rm w/fireplace, w/w, s/s, 2-car garage, full bsmt, oil baseboard heat, central air

cond, 2 mi from beach, on 1 acre of woods. \$46,500. Ext. 2930, 929-6459.

Wanted

LADIES' BIKE - Ping-pong table, pwr lawn mower. H. Davis, Ext. 7165.

CLOWN - To handle birthday party for precocious 5 yr olds, magician w/pony preferred. Starr, 727-1864.

BABYSITTER - Preferably on site, for 2½ yr old boy, 4 days/wk during working hrs. Bill, Ext. 7220/515.

BABYSITTING - Mother of 2 wishes to babysit at her home in Bellport. Nene, 286-2412.

GUITAR - Good cond, reasonable. 265-3982 after 6.

MAN'S ENGLISH RACER BIKE - 26", 3-5 spds, reasonable, will repair. P. Melvin, 727-2896 eves.

HOUSESITTER FOR 2 TEENAGERS - In exchange for room, board, & some cash, month of Oct. 928-2954.

ROD & REEL - For surf casting, for 11 yr old avid fisherman. Ext. 7374.

RELIABLE PERSON - To share driving & expenses to Florida around 9/15-10/1. Ext. 560.

5 OR 10 SPD BICYCLE - In good cond, will pay \$30-\$40. Rolf, Ext. 638.

SOUTH SHORE BABYSITTING POOL - Welcomes new members, E. Patchogue to Shirley. Janice, 286-8521.

WILL DO PROFESSIONAL SEWING - Or alterations, also instruction. Ext. 523.

CABIN TRUNK - In reasonable cond. 286-0161.

BOY'S 20" BIKE - In good cond. J. Crow, Ext. 2517, 286-3726.

OUTBOARD MOTOR - ST 10 hp, recent vintage, good running cond. E.T. Bailey, Ext. 420.

LADDER FOR BUNK BEDS - Torre, Ext. 7227.

MANIFOLD - For Christcraft "K" eng (6 cyl-95 hp). Jack, Ext. 684.

HOMES FOR FANTASTIC FELINES - High IQ's, unsurpassed beauty, 8 wks old, housebroken males, shots & other service provided. Ext. 7617, 325-0609.

TO SWAP - Sea-gull outboard for roto-tiller of equal value. Hersey, Ext. 7168.

CROCKS - To use for pickles, 2,3 or 5 gal size. 727-1617.

SWIVEL WHEEL BABY STROLLER - In fair cond & price. 929-4787.

61 CHEVROLET - W/good body, bad or no eng, 6 cyl auto. Seyfert, Ext. 2411.

SOMEONE - To care for mature, well behaved dog during Oct, Nov & Dec. A. Goland, 286-2265.

TREE REMOVAL & CHAIN SAW - Also light hauling. Ken, 924-4539 eves.

Lost & Found

LOST - Men's sunglasses, left on tennis court. If found, please call Ext. 2907.

FOUND - 2 locker-type keys, outside Bldg. 480. Claire, Ext. 2131.

Classified Ad Policy

Deadline is 12 noon Friday for publication the following week.

- The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
- All items for sale or rent must be the advertiser's property.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Firearms offered for sale or trade may not be brought on site.

- Ads not carried because of space restrictions will be held for publication in the next issue.
- Ads are run only once and must be resubmitted if they are to be repeated.
- Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employee's signature.

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

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.

Employee's Signature: _____ Life No. _____ Ext. _____

Send to: Brookhaven Bulletin, 40 Brookhaven Avenue

(Name & Phone No. To Call)