

## German Award Promotes Scientific Exchange

Gerhart Friedlander of the Chemistry Department will leave for Germany on September 13, to spend eight months at the University of Mainz's Institute for Nuclear Chemistry. His stay there - during which he will revise a textbook and conduct research on heavy ion reactions - is one of the rewards of being the sixth BNL researcher to receive a Senior U.S. Scientist Award from West Germany's Humboldt Foundation.

Each year, Humboldt Awards are given to about 80 American scientists who have gained international reputations in their fields. Approximately 500 Americans have received awards since the program's beginning in 1972.

According to the Humboldt Foundation, which administers the program for the government of the Federal Republic of Germany, one of the purposes of the awards program is to promote the interchange of ideas between American and German scientists and research institutions. To accomplish this goal, Humboldt Award winners are given the right to stay for an extended period at West German research institutes to carry out research of their own choice.

Friedlander will use his time at Mainz to complete a revised edition of his textbook "Nuclear and Radiochemistry." He also plans on doing research on heavy ion reactions at UNILAC - a heavy ion linear accelerator located at GSI, near Darmstadt.

Humboldt Award winners also receive a cash award which is the equivalent of a "generous salary," says Friedlander. While in Germany, they are invited to attend a variety of scientific, social and cultural events sponsored by the Humboldt Foundation.

Nominations for the Senior U.S. Scientist Awards can only be made by German researchers and research institutions. (Friedlander was nominated by Professor Gunter Herrmann, director of Mainz's Institute for Nuclear Chemistry.) To be considered for an award, the Humboldt Foundation states, "the scientific qualifications of the nominee must have gained him world-wide recognition, by virtue of success and echo of publications and invited speeches at significant conferences, for example."

Following the nominations, selection of the award winners is made by a special committee made up of German scientists and representatives of government, research and academic organizations, which meets several times a year. This committee

also determines the amount of the cash award for each winner.

The Senior U.S. Scientist Award program was announced by the Chancellor of the Federal Republic of Germany at Harvard University in June of 1972, in memory of the 25th inauguration anniversary of the Marshall Aid Program. Later that summer, Yoshio Shimamoto of the Applied Mathematics Department became the first Brookhavenite to receive a Humboldt Award and left for a six-month stay at the Mathematics Institute of the Technical University of Hannover.

In 1975, two BNL'ers received awards: Richard Holroyd of Chemistry spent a year at the Hahn-Meitner Institute for Nuclear Research in Berlin, and Harvey Wegner of Physics worked for six months at the Technical University of Munich-Garching. Spring '78 saw the return to the U.S. (though not to Brookhaven) of Augustine Allen, who had retired from the Chemistry Department shortly before leaving to spend a year at the Hahn-Meitner Institute. And Andrew Sunyar of Physics has just returned to BNL, after nine months at GSI and the Physics Department of the Technical University of Munich-Garching.

The Albert von Humboldt Foundation has a long - although occasionally interrupted - history. It was established in 1860 under the Board of Trustees of the Prussian Academy of Sciences. The Foundation's capital disappeared during the period of inflation that followed World War I, but in 1925 it was reconstituted and financed by the German government as an independent foundation. It was dissolved in 1945, only to be re-established once again in 1953 by the Federal Republic of Germany, chiefly at the suggestion of foreign scholars. Among its present aims is the promotion of scientific cooperation among scholars in the Federal Republic of Germany and foreign countries.

In addition to administering the Senior U.S. Scientist Award program (funds for which come from the Federal Ministry for Research and Technology), the Humboldt Foundation awards approximately 400 research fellowships a year to highly qualified young Ph.D. holders in all academic disciplines. Fellowships in this program range from six months to two years in length, and can provide up to four months of study in Europe if it is considered to be essential to the progress of a research project. The Research Fellowship Program is aimed at scholars between the ages of 25 and 40, and unlike the Senior U.S. Scientist Awards, candidates can apply directly to the Foundation to be considered for the program.



Alexander Capron

—photo by Nettis, Medical World News

## From The Legal Point Of View

When the British test-tube baby was delivered last July, among those whose opinion was sought was Alexander M. Capron, Professor of Law at the University of Pennsylvania who specializes in the legal aspects of the life sciences. According to Newsday, Capron did not consider the test-tube technique a pressing need. "Most people can have babies . . .," he said. "It's not a situation that cries out for social resources to be spent on it."

On Monday, September 11, at 4 p.m. in Berkner Hall, Alexander Capron will address a question of particular interest to the scientific community at large, in an AUI-sponsored Lab-wide lecture entitled "Public Intervention in Scientific Research; Prometheus Revisited?"

Capron, who has been on the faculty of the University of Pennsylvania since 1972, is currently a Professor of Law and Professor of Human Genetics. He received a B.A. degree from Swarthmore College and his LL.B. from Yale Law School in 1969. He was elected to the Order of Coif and was Note and Comment Editor of the Yale Law Journal. Following his graduation from law school, he clerked for Chief Judge David

L. Bazelon, U.S. Court of Appeals for the District of Columbia Circuit.

The young (34 year old) lawyer serves on many committees, has many articles to his credit and is much in demand as a speaker.

He is currently chairman of the Appointments Committee at the University of Pennsylvania Law School, a member of the Federal Judicial Center Advisory Committee on Experimentation in the Law, and a Consultant at Johns Hopkins Medical School on a Study of Feasibility and Effectiveness of Obtaining Consent for Neonatal Screening. At the Institute of Society, Ethics and the Life Sciences, he is a Member of the Board and of the Executive Committee and a Member of Research Groups on Genetic Counseling and Genetic Engineering and on Behavior Control.

Capron is Associate Editor of the American Journal of Human Genetics. His writings in numerous publications have dealt with such issues as "Legal Aspects of Genetic Control," "Medical Research in Prisons," "Legal Aspects of Death with Dignity," "Reflections on Issues Posed by Recombinant DNA Molecule Technology," and "The Ethics of Fetal Research."

## FTS Prefix Changes Next Week

### BNL Directory Due Sept. 11

On September 8, 1978 at 9:00 p.m., the Laboratory's Federal Telecommunications System (FTS) three digit prefix will change from 664- to 666-. BNL extension numbers will not change.

Calls in progress during the changeover will not be interrupted and the new 666-prefix will not affect our commercial telephone number.

Because BNL is growing, we need more FTS numbers than are available in the 664- prefix. Our growth has also required the addition of three FTS lines now and seven more lines during the next six months.

Persons calling BNL and using the new FTS 666- prefix prior to 9:00 p.m. September 8, will receive a recorded message indicating they should call their operator or consult their FTS Directory for the correct number. FTS operators will be notified of the change prior to our cut over to the new prefix. The new FTS Directory should be available in January, 1979 and it will have our new number listed. Anyone using the FTS 664- prefix after the cut over will receive a recording indicating that the prefix number has changed to 666-.

New York Telephone will begin changing the telephone number designators on all BNL telephones prior to the cut over date. At the same time, they will also make an inventory of all telephone equipment at BNL. The inventory and charge out will take approximately three weeks. If the

bullseye on your telephone has not been changed by September 26th, please notify the Staff Services Telecommunications Office at extension 2000.

Because of the FTS prefix change, publication of the 1978 BNL Telephone Directory was delayed. It has now been scheduled for delivery starting Monday, September 11.

## Inside Info

Arnold M. Peskin has been appointed Acting Chairman of the Department of Applied Mathematics effective September 1. Robert Marr, who has been chairman of the department since December 1, 1975, will return to full-time research. Peskin, an Electrical Engineer, joined the staff in 1967 and since 1975 has been head of the Technical Support Division of AMD.

Jacob Bigeleisen, a Senior Chemist at Brookhaven from 1948 to 1968, will return to Long Island as Dean of Graduate Studies and Vice President for Research at the State University of New York at Stony Brook. He has also been named Professor of Chemistry. For the last 10 years Bigeleisen has been a Professor of Chemistry at the University of Rochester.

## Dinner-Theatre Tickets Going, Going . . . .



Bernard Brehm (PE) was the first to buy tickets (10) for BERA's Dinner-Theatre presentation of Neil Simon's, "Come Blow Your Horn." Saturday tickets are sold out, but seats still remain for the September 15 and 17 performances. Tickets are on sale today at the Cafeteria from 11:30 a.m. to 1:00 p.m. Beginning September 6, they may be obtained at the Recreation Office, Personnel, from 9:00 a.m. to 5:00 p.m.

—photo by Humphrey

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## The Best Of Both Worlds

Debu Majumdar (DNE) recently visited Lee Gemmell and his wife, Lydia, who retired to California in 1974. Gemmell was formerly Associate Head of the Health Physics Division. Here are Debu's personal reflections on one man's active retirement.

Lee Gemmell stopped the car at a bend on Route 5, and exclaimed, "look at the gorgeous view." The scene of the whole valley just beyond Escondido was in front of us. It was indeed marvelous. Lee pointed out the small green plants on the hills as avocado trees. "One day they're going to cover the brown hills with avocado trees. You know, this place has the best climate for avocados in the country."

It's amazing, I thought, that Lee, who retired from Brookhaven four years ago, has made such a happy adjustment to Southern California. I wondered how a man who had spent all his working life in Brookhaven, finally one day packed up, went to San Diego, and created a new life.

I had accepted the Gemmell's long standing invitation to visit them when I had a chance. When Lee picked me up that morning, he said, "anywhere you want to go, we are ready." After discussing the pros and cons of the various tourist attractions, we decided to go to the Palomar Observatory first.

The Palomar observatory is located on Palomar mountain, about 5600 ft. above sea level. When we arrived, Lee's wife Lydia took a book and a jug of orange juice to the picnic area and we went on to see the 200" Hale telescope. We discovered that my Brookhaven ID card worked magic! The person in charge of the observatory gave us a guided tour, opening the great dome ceiling over the telescope and showing us how the telescope operated.

On our way back to Escondido, where Lee and Lydia bought a house in 1974, we passed by the "Sunkist Factory," a huge orange plantation. The Brookhaven team bargained a deal at 15 lbs. a dollar. "We don't buy orange juice here. We make it," Lydia smiled.

When we pulled into their driveway, at a glance I realized that even for California it is a fantastic house. The circular driveway in front of their ranch house is surrounded with all kinds of tropical trees. They also have a nice backyard full of exotic plants. There is a good size lemon tree loaded with lemons, and they are now trying to grow grapes and oranges.

Lydia showed me the house; rather she told me all about the plants she has in the house. It is practically an arboretum. "We keep ourselves busy here," she told me, "Lee goes to the local library everyday and spends a few hours there. He also works on the gardens. The outdoor gardens are his and the indoor ones are mine."

"How do you usually spend your day?", I asked. What I was really asking was: "What is a hyperactive person like me going to do when I retire in twenty years?" Lee just winked, "Let me make a drink for you first. I watched with pleasure the delicate art of margarita making by someone, who, I knew, had a great bar in his basement in Brookhaven. After serving the drinks, Lee went out saying, "the grill will be ready in seventeen minutes."

When he returned, he said, "come to the garage, I'll show you my workroom." They have a two car garage. He has made part of it his workshop. "You don't need much maintenance here," he said. I laughed, knowing that when he was in Brookhaven, he had a local reputation as the only homeowner who never needed to call a plumber, an electrician, a painter, or for that matter any workman. But, what do I find in the garage? A Yamaha motorcycle? Am I seeing correctly? I asked myself, "at his age?" Lee guessed what I was thinking. "I had a motorcycle when I was young. So, when the energy crisis came, I argued, why not have it again?"

I tried to visualize myself on a motorcycle with my long white hair hanging out beneath the helmet, deep dark sun glasses on my small face, and no teeth in my mouth. A thought just flashed by my mind: how would it fit in a Woody Allen movie? "Bravo, Mr. Gemmell," I said to myself, "I don't know how you lived the first 65 years of your life, but you certainly have beaten the hell out of everybody in your retirement."

During dinner Lee decided that we would go to the wild-life park next. They are members of the Zoological Society "I'm not tired at all," Lee proclaimed, "we

walk a lot everyday." Could I tell them that this young visitor is suffering from jet lag?

The wild life park is a new concept in the zoo world. They have different entertainments to change the mood. This summer, an African group was visiting the park. They performed, at different intervals and at different places in the park, various acts including African ritual dances, steel band music, limbo dancing, etc. Along with them was tireless Lee Gemmell, taking their pictures and explaining to his guest all about the animals and the surrounding hills. In fact, there was a big competition. The guest was looking for a place to sit, but Lee was finding something new to see. "Oh, you should see the prey birds show. Let's go."

Soon it was about 10 p.m., and time for this young fellow to go back to his hotel.

We drove again through the hilly, rugged country. "What would you have done if I were not here today?", I enquired. "Well, we had the senior citizen's dinner tonight. We would have gone there. But its nice you came to visit," Lydia said, "we go there every month."

"The weather is a big factor in living here," Lee broke the monotony of driving, "we are very glad to be here. When you retire, it is nice to have the weather working for you." Lee mused further, "There are two things one should be careful about at this age, your health and your spirit." Both of these things they have certainly kept very well.



Lee Gemmell in Retirement

When they dropped me at my hotel, it was almost midnight. I dragged myself to bed and collapsed. I thought of a friend in San Francisco. She once explained to me about the "materialistic spirit" of California. This materialism is the spirit of material possessions and of enjoying life as if there is no tomorrow. In ancient India, on the other hand, people were supposed to retire in a remote place, away from the bondages and the desires of society. They would meditate and try to grasp the deeper meaning of life, and possibly attain Nirvana so that there is no fear from anything, and there is joy in the final union with nature. Between these two, the materialistic and the ascetic way of retiring, the Gemmells seem to have found a middle ground which is perhaps the best possible today.

—Debu Majumdar

## New Class In Arithmetic

Classes in Practical Arithmetic will begin on Tuesday, September 19, and will meet on Tuesdays thereafter from 2:30 to 4:00 p.m. Please note the change in starting date and the weekly meeting day. As noted in the *Bulletin* last week, instruction will be given in the use of the metric system, small calculators and measuring tools. Fractions, decimals, scientific notation, percent, conversions and basic algebra will be reviewed.

Those interested should call Bob D'Angio, Ext. 2878, or Roy Jefferson, Ext. 2527. Jefferson also indicated that the introductory physics course will be continued this year, and that beginning courses in programming and chemistry will be considered if enough interest is shown.



The Kochman Hell Drivers, who appeared earlier this week at the Suffolk County Fair held at Islip Speedway, performed many jumps and precision maneuvers. They are championship drivers, some of whom have been thrill driving for 20 years. Although there will be no stunt driving at the Fair over the Labor Day weekend, special auto events such as Figure 8 and modified stock car racing, and a demolition derby are scheduled.

—photos by Humphrey

## Around The Track At Islip Speedway

To racing fans who have followed Islip Speedway's 32 year history, this 1/5 mile track — the smallest in the country — occupies a special place in their memories. Not so many years ago, for example, the Grand National Races were held at Islip. Drivers such as Richard Petty, Cale Yarborough and Bobby Allison raced at the Speedway, and the track received regular television coverage.

Originally, Islip was built for midget racing, which Speedway historian Marty Himes states is the "grandfather of auto racing." "It's the kind of racing the old-timers love best," he said, "so Islip, which brings back the midget cars and drivers every year, is a sentimental track for them."

Midget racing, begun in the mid-1930's, requires that cars be built to a specific wheel base and engine size, Marty explained. "These small cars are capable of going 130 mph, but at Islip they average only about 80 mph."

Today, Islip Speedway is the only track on Long Island where fans of modified stock car racing can go to see their favorite competition. "We see the same families in the stands week after week," remarked track co-owner Barbara Cromarty who, prior to purchasing Islip a year ago, had never seen a car race. "There is a good rapport between the drivers and the fans," said Barbara.

Races are held at the Speedway each weekend from June through October 8. Almost every weekend features a modified stock car event. Modified stock refers to street cars which have been significantly altered, or "modified," so that they attain track speeds. Also, important competitions such as the 100 Lap Pocono Qualifier and races sponsored by the Eastern Go-Cart Association are scheduled at Islip Speedway.

In addition to the annual midget event and the almost weekly modified races, Figure 8 racing, such as will be held Friday, September 1, is also presented. On Saturday, a 35 lap modified stock car race will run and on Sunday, September 3, a demolition derby will be staged. On Sunday, September 10, the 300-lap modified All Star race comes to Islip in which approximately 60 champion NASCAR circuit drivers will compete for \$25,000 in posted prizes. Admission for the All Star race is \$7 for adults and \$2 for children. Begun in 1967, the All Star race is expected to attract a capacity crowd.

Barbara Cromarty noted that performing at a track as small as Islip curtails the car's top speed. The mini-modified cars, she explained, can be re-gearred to run at larger tracks and reach higher speeds than would ever be possible at Islip. "It takes as much skill to drive at Islip at 80 mph as driving 200 mph at Daytona," she said.

The track's peak years, said Marty Himes, were in the 1960's. In those years, Islip Speedway was attracting some of the more famous drivers and its largest crowds. Newest owners Barbara and Jim Cromarty, who have lent their name to an annual cup race for modified stock cars, are re-building Islip Speedway so that it will once again, "be where the action is for Long Island auto racing."

This year the 19th Annual Suffolk

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County Fair has been brought to Islip Speedway so that fairgoers can take advantage of the auto racing held daily through the Fair's closing date, September 4. Commercial exhibits feature novelty items usually found at fairs. There are also carnival rides, livestock, car and boat displays and food stands. The exhibit tents are appropriately arranged around Islip's track, the main attraction of the County Fair.

Islip Speedway is located off Islip Avenue, between Route 27 and Southern State Parkway in Islip. More information about the Fair, or the auto events, can be gotten by calling (516) 277-4000.

—Rosanne Pagano

## Arrivals & Departures

### Arrivals

Diane Bider.....Personnel  
Israel Dostrovsky.....Chemistry  
Gerard A. Haubert.....Adm. Sys. & Data Proc.  
Rosanne V. Pagano.....Director's Office  
Gary L. Wolk.....Chemistry  
Bruno W. Zotter.....Accelerator

### Departures

Frank W. Barvenik.....Energy & Env.  
Alain E. Gentil.....Biology  
Benjamin F. Hobbs.....Energy & Env.  
Robert M. McClafferty.....Staff Services  
Paul A. Napier.....Accelerator  
Carol L. Steen.....Energy & Env.  
Samuel J. Strelecki, Jr.....Safety & Env. Prot.  
Robert A. Vignato.....Accelerator

## Cooking Exchange

The BNL International Cooking Exchange cordially invites all wives or husbands of employees to the first culinary session of the season on Wednesday, September 13. The theme will be cooking from the Middle East.

All demonstration meetings are held at the Recreation Building in the Apartment Area from 12:30 to 2:30 p.m. An admission of 75¢ a person and 25¢ a child for babysitting is charged.

# BROOKHAVEN BULLETIN

Published weekly for the employees of BROOKHAVEN NATIONAL LABORATORY

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## Labor Day Food Service

At the Cafeteria the snack bar will be open from 9:00 a.m. to 2:00 p.m. daily on Sunday, Monday and Tuesday, September 3rd through September 5th.

On Saturday, September 2nd, the snack bar will be open from 9:00 a.m. to 2:00 p.m. at the Brookhaven Center.

The Tap Room at the Brookhaven Center Club will be closed on Saturday, Sunday and Monday, reopening at 5:00 p.m. on Tuesday evening, September 5th.

The Vended Food Service in Building 912 will be in operation throughout the Labor Day weekend.

## Polytech Registration

Final registration for the Polytechnic Institute of New York/BNL extension courses in nuclear engineering will be held from 6:00 to 7:00 p.m. Wednesday, September 6 in the DEE-Oceanographic Sciences Division conference room (Bldg. 318, opposite the bank). Professor John Lamarsh, Head of the PINY Nuclear Engineering Department, will be present to enroll and counsel students.

Graduate courses to be offered at BNL in the fall term are: NU 603 (Nuclear Engineering Laboratory I), Tuesday, D. Rorer; NU 607 (Reactor Licensing, Safety, the Environment), Wednesday, R. Bari; NU 715 (Heat Transfer), day to be announced, W. Wulff; NU 721 (Economics of Nuclear Power), Monday, F. Vitali.

Schedules are subject to change upon consensus of class and instructor. Classes commence September 12, and final exams are from December 16 to 23.

These courses are available to BNL employees, guests and collaborators, and to a limited number of persons not affiliated with the Laboratory.

## Speakers Bureau Summer

**Bruce Martin** (Math), BOCES Career Day at Half Hollow Hills High School, "Careers in the Computer Fields," June 1.

**Carmen Benkovitz** (DEE), Nassau Science Explorations, Hofstra University, "Research in the Atmosphere," June 2.

**Robert Brown** (DEE), Nassau Science Explorations, Hofstra University, "Future Energy Production and Air Pollution," June 2.

**John Blewett** (DO), Custer Institute in Southold, "Energy: What is it - Why do we need Nuclear Power?," June 10.

**Martin Plotkin** (Accel.), BOCES Career Day at West Hollow Hills Jr. High School, "Careers in Science," June 12.

**William Casey** (S&EP), Suffolk County Chapter Local No. 3, IBEW Retirees Association, "The Safety of Nuclear Power," June 13.

**Peter Fallon** (DEE), Rotary Club of Center Moriches, "Coal Conversion and Conservation," July 13.

**Phil Metz** (DEE), Patchogue Rotary Club, "Solar Energy," August 9.

**William Graves** (DEE), Lindenhurst Public Library, "Energy Conservation and Solar Applications," August 17.

## Weekend Tour

Because of the Labor Day holidays, there will be no tour on Sept. 2 and 3.

The following weekend, the National Center for Analysis of Energy Systems will be featured. The Exhibit Center has a game which imitates the real world. As time ticks by at the rate of 100 years per minute, players must make decisions about controlling the world's energy supplies and demands. The object of the game is to balance the two while keeping the environment as clean as possible. On September 9 and 10, scientists from NCAES will be at the Exhibit Center to play the game with visitors and discuss with them the complexities of determining energy policy.

EXHIBIT CENTER

## Upton Nursery School

Classes in the 1978/79 session of the Upton Nursery School will begin on Monday, September 11 in the Recreation Building. A small number of vacancies exist in the 4-year-old groups and those interested in having their child attend this school should call Mrs. Marie Murtagh (821-9587) as soon as possible.

## Ocean Kayaking

The BNL Mountain Club has held kayaking lessons at the Lab pool for the last two winters and expects to hold them again this winter.

The instructor, Dan Broadhurst, is co-hosting a paddle surfing competition at the end of Dune Road, by Shinnecock Inlet, at 9 a.m. on both Saturday and Sunday, September 9 and 10. Events will involve wave skis and surf and regular kayaks, with a number of active competitors from the eastern seaboard participating. Those who enjoyed the TV coverage of white water kayaking at the Munich Olympics, might like to see the surfing counterpart first hand.

Depending on water conditions, Dan hopes to hold a novice event suitable for BNL paddlers.

## Stockrooms To Close On September 15

In order to complete the annual Physical Inventory of stores materials, all stockrooms will be closed on Friday, Sept. 15, 1978. Users are requested to withdraw sufficient supplies prior to the normal stockroom closings at 3:00 p.m. on Thursday, Sept. 14, 1978. Emergency requirements can be obtained by calling the Supply and Materiel Division office, Ext. 2972 for approval and withdrawal instructions.

The closing of stockrooms does not affect departmental stockrooms or the delivery of Liquid Nitrogen, Liquid Helium, Dry Ice, or Compressed Gases. Your cooperation in keeping emergency requests at a minimum is appreciated.

## Cafeteria Menu

Week Ending September 8, 1978

<b>Monday, September 4</b>	Snack Bar Service	
<b>Tuesday, September 5</b>	9:00 a.m. to 2:00 p.m.	
<b>Wednesday, September 6</b>	French onion soup	(cup) .30
		(bowl) .40
	Grilled ham steak w/1 veg.	1.30
	Macaroni and cheese w/1 veg.	1.10
	Hot Deli - Pastrami	(on bread) 1.15
		(on roll) 1.25
<b>Thursday, September 7</b>	Tomato vegetable soup	(cup) .30
		(bowl) .40
	Tuna noodle casserole	1.20
	Lemon baked chicken and 1 veg.	1.20
	Hot Deli - Veal & peppers hero	1.25
<b>Friday, September 8</b>	New England clam chowder	(cup) .40
		(bowl) .50
	Broiled filet w/1 veg.	1.20
	Roast sirloin of beef and 1 veg.	1.40
	Hot Deli - Baked Virginia ham	(on bread) 1.25
		(on roll) 1.35

## Met Opera Tickets

Tickets for the 1978-79 Metropolitan Opera season will go on sale at the Film Service Office in Berkner Hall starting on Friday, September 8, at 8:00 a.m.

An employee may purchase as many pairs of tickets as desired. Tickets are priced at \$7.50, including service charge. All sales will be final; no tickets will be accepted for refunds or exchanges after a purchase is made.

A listing of Family Circle seat numbers available for each performance may be picked up at the Film Service Office prior to the first day of sale.

### Schedule

<b>September</b>	
Tues. 19	Billy Budd
Ev. Sat. 23	Billy Budd
Tues. 26	Tannhauser
Thurs. 28	La Traviata
<b>October</b>	
Tues. 3	Otello
Thurs. 5	Tannhauser
Wed. 11	La Traviata
Ev. Sat. 14	Tannhauser
Mon. 16	Rigoletto
Tues. 17	Fidelio
Fri. 20	Rigoletto
Tues. 24	Fidelio
Thurs. 26	Rigoletto
Fri. 27	La Traviata
Tues. 31	Rigoletto
<b>November</b>	
Thurs. 2	Carmen
Ev. Sat. 4	Carmen
Tues. 7	Carmen
Mon. 13	Carmen
Tues. 21	The Bartered Bride
Fri. 24	Luisa Miller
Tues. 28	Carmen
Wed. 29	The Bartered Bride
Thurs. 30	Luisa Miller

<b>December</b>	
Ev. Sat. 2	Aida
Mon. 4	Luisa Miller
Fri. 8	Aida
Tues. 12	Don Pasquale
Thurs. 14	Carmen
Tues. 19	Tosca
Fri. 22	Elektra
Tues. 26	Elektra
Wed. 27	Hansel and Gretel
<b>January</b>	
Mon. 1	Carmelites
Tues. 2	Elektra
Thurs. 4	Don Pasquale
Fri. 12	Tosca
Ev. Sat. 13	Luisa Miller
Mon. 15	Don Pasquale
Tues. 16	Tosca
Tues. 23	Werther
Wed. 24	Luisa Miller
Thurs. 25	Aida
Ev. Sat. 27	Madam Butterfly
<b>February</b>	
Thurs. 1	Madam Butterfly
Ev. Sat. 10	Tosca
Tues. 13	Ariadne auf Naxos
Wed. 14	Madam Butterfly
Fri. 16	Don Carlo
Tues. 20	Don Carlo
Thurs. 22	Ariadne auf Naxos
Tues. 27	Rigoletto
<b>March</b>	
Mon. 5	Die Zauberflote
Fri. 9	Die Zauberflote
Tues. 13	Der Fliegende Hollander
Wed. 14	Die Zauberflote
Ev. Sat. 17	Die Zauberflote
Tues. 20	Der Fliegende Hollander
Tues. 27	Billy Budd
Thurs. 29	Der Fliegende Hollander
Fri. 30	Eugene Onegin
<b>April</b>	
Tues. 3	Eugene Onegin
Thurs. 5	Norma
Ev. Sat. 7	Eugene Onegin

## Hospitality Committee

A morning coffee will be held in the Brookhaven Center on Monday, September 11 from 9:30 to 11:30 a.m.

All wives of Laboratory employees are welcome. Please come and bring the children. It is suggested that you bring along a toy for your child to play with.

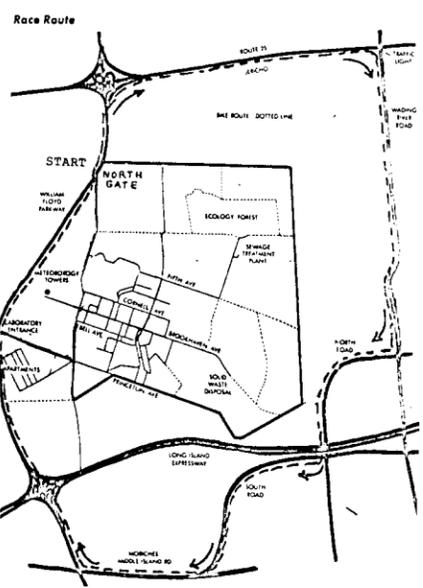
## Bicycle Race

The Fall Open will be Sunday, Sept. 10, with registration starting at 8:30 a.m. just outside the North Gate of BNL. The race route is marked by the dotted line on the accompanying map. It lies entirely outside the Lab in order to avoid visitors' vehicles.

The first race, a two-lap event about 32 miles long, starts at 9:00 a.m. and has no categories, as it is expected that the more serious racers will be attracted to this event. Medallions will be awarded to the first three finishers and also to the fastest lap.

The second race is a single lap of about 16 miles and has categories of junior, senior and veteran, both men and women, and medallions will be awarded to the first place in each category. All finishers of either event will receive a certificate.

Helmets or other protective headgear are strongly recommended, and also water bottles for the two-lap event. The entry fee is \$1.00, and a parent's signature is required for entrants under 18. Forms may be obtained in advance from Gerry Morgan, Ext. 4841, Bldg. 815.



## Tennis

### Tournament Results

After a weekend of rain postponements and several days of soggy courts, finals matches in men's and women's singles, men's and mixed doubles were played during the week of August 14-18.

In the women's singles Shizue Iwai won over Terry Frei. This was Shizue's fourth consecutive BNL women's title - her steady, forcing play makes her a top competitor in any tournament.

Alan Rosenberg again conquered John Elmore in the men's singles by steady, accurate play. Alan also won in 1975 and 1977 and will have his name inscribed on the Allan Auskern Cup.

Alan teamed with Jean-Paul Capony to win the men's doubles. They defeated a new team of Harvey Goldman and Peter Vanier and will have their names inscribed on the Walter Merckle Cup.

John Elmore teamed with Shizue Iwai to defeat Andy Kevey and Mary Jane Stangby in three sets in the mixed doubles. Andy and Mary Jane were winners in 1976 and 1977.

Women's doubles finalists are Mary Lou Abata-Terry Frei versus Mary Jane Stangby-Marda Kevey in a match to have been played this past week.

In the consolation events, Peter Vanier defeated Frank Martin in a closely contested match in the men's singles, while Mandy North was to play Mary Jane Stangby this past week in the women's singles.

### Tennis Party

A party celebrating the tennis season is being planned for September 28 at 5:15 p.m. Tournament awards will also be presented. Further information will be found in future issues of the Bulletin.

### Ladder Play

The last day of play for both men's and women's ladders is to be September 15. Time for improving position and redeeming previous defeats is therefore running out. Current positions are posted in the BERA Sales Office, and participants are reminded that a minimum of six matches is required to qualify for a BERA participation award.

## No Bulletin Next Week

Because of the extended Labor Day holiday, the Bulletin will not be published on September 8.

# Softball

## MIXED LEAGUE

### Oh Kays 14 - Balls And Strikes 11

Even though there were three great catches by the Balls & Strikes Karen Alberico, Al Marelli and Diane Grady, Kay Hunt's pitching let the Oh Kays to victory. Home runs were made by Bob Brown, Leroy James and Jim Garrison.

### Diamonds 10 - E-Z Riders 9

Chuck Carlson had a home run. Carey Miller made some sparkling plays at first base. All in all it was a good defensive game by the Diamonds.

### Thrlds - TNT (forfeit)

### Who Cares 14 - Turkeys 9

### Who's On First 19 - Trouble II 16

A high scoring game was highlighted by a home run by Tony Beck for the victors. A called third strike thrown by Don Litcher with the bases loaded and two outs in the sixth helped sew things up. A note from the captains: Thanks to all for a great season.

### Makeup game - E-Z Riders - TNT (forfeit)

## LEAGUE I

### Titans 14 - Ravens 13

Bernie Stepnoski had a home run and Pete Stillman, who made some sparkling plays in the field, led the Titans (playing with 8 men) to victory.

# Rifle & Pistol Club

As of August 21, John Zahra relinquished his duties as Captain of the Pistol Club and was replaced by Otto Jacobi.

The winter matches with the Eastern Long Island Pistol League will resume at the Patchogue Armory on Barton Avenue on September 11. The second and fourth Tuesdays of each month will be reserved for members to shoot or practice.

John Mazzeo, certified pistol instructor, welcomes any interested women to join the club.

Contact Mr. Jacobi, Extension 4406, for further information.

# Phys Rev Job Openings

A year-long photocomposition production test is to be conducted in the Editorial Offices of The Physical Review and Physical Review Letters. The work will be carried out during an evening shift starting at 5:00 p.m., and will begin in late September or early October.

Full time, part time and some free lance work will be available in the following categories:

**Technical Typists** - Some experience in typing technical manuscripts required. Experience with computer terminals an advantage.

**Paste-up Artists** - Layout of technical material. Some Leroy lettering necessary.

**Copy-editor/proofreaders** - B.A. or B.S. or equivalent experience. Knowledge of physics desirable.

Resumes and other pertinent information should be mailed to M. Judd, The Physical Review, Building 510E, Brookhaven National Laboratory, Upton, N.Y. 11973.

Please see supplement for ads that do not appear on this page.

# Classified Advertisements

## Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position, with consideration given to candidates in the following order of priority: (1) present employees within the department, with preference to those within the immediate work group; (2) present employees within the Laboratory as a whole; and (3) outside applicants.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all nonscientific staff positions; second, to give employees an opportunity to request consideration for themselves through Personnel; and, finally, for general recruiting purposes. Because of the priority preference policy stated above, each listing does not necessarily represent an opportunity for all candidates. As a guide to readers, the listings are grouped according to the anticipated area of recruitment, as indicated below. Except when operational needs require otherwise, positions will remain open for one week following publication date.

For further information regarding a placement listing, contact the Personnel Placement Supervisor, Ext. 2882.

**LABORATORY RECRUITMENT:** Opportunity for present Laboratory employees.

763. **TECHNICIAN** - Requires skills-oriented individual with driver's license and some typing skills. Background in use of interactive terminals is desirable. Will assist in maintaining computerized record systems for reporting personnel radiation exposure. Safety & Environmental Protection Division.

764. **SECRETARY** - Requires excellent secretarial skills, including shorthand, and ability to work with others. Will work in Division office. Department of Energy and Environment.

765. **SECRETARY** - Requires AAS degree in secretarial science, or equivalent, and excellent technical typing skills. BNL secretarial experience desirable. ISARELLE Project, Accelerator Department.

766. **MESSENGER** - Staff Services Division.

767. **RESIDENCE CUSTODIAN** - Staff Services Division.

771. **SECRETARY** - AAS degree or equivalent in secretarial science with ability to take shorthand and knowledge of general office procedure. Contracts and Procurement Division.

**OPEN RECRUITMENT:** Opportunity for present Laboratory employees and outside applicants.

768. **SYSTEMS ENGINEER** - BS/MS in Chemical Engineering or Economics to perform regional assessments of the environmental impact to different energy policies, using modeling techniques. Strong written and oral communication skills required. Department of Energy and Environment.

769. **ENVIRONMENTAL SCIENCE ASSOCIATE** - Demonstrated experience with FORTRAN programming, CDC operating systems, environmental data and the management of large environmental data sets. Department of Energy and Environment.

770. **MECHANICAL TECHNICIAN** - AAS or equivalent in Mechanical Technology and experience in metal joining techniques, machining, epoxy patterning and coil winding. Physics Department. National Synchrotron Light Source Project.

## Autos & Auto Supplies

77 PLYMOUTH - Fury Sport, buckets, a/c, p/s, p/b, am/fm 8 trk, A-1 cond, must sell, blue & white. \$4,300. Firm. 588-4703.

77 BUICK SKYLARK - 17,000 mi, excel cond, radio/air cond. 289-2355 after 6.

71 MERCURY COUGAR - V8, 2 dr, auto, all power, radial tires w/snows, low mileage, excel cond. 698-7661.

67 CAMARO - Drag Car, best parts, will sell complete, or will sell any part separately, what do you need? Bill S. Ext. 4434 or 286-0331.

67 DODGE POLARA - 383 V8, p/b, p/s, a/c, new tranny, ball joints, strut rod bushings, brakes, wheel cyl and bearings, fuel pump, rebuilt carb. \$450. Tom, Ext. 2959.

74 VEGA HATCHBACK - 140 cu. in. eng, 4 spd, am radio, 2 extra snows on rims, 25 MPG, 42,000 mi. \$950. 727-7696 after 4.

64 PLYMOUTH - 6 cyl, standard shift, good transportation, \$125. Jack, Ext. 2377 or 283-5865.

71 PINTO RUNABOUT - 4 spd, \$350. Jack, Ext. 2377 or 283-5865.

73 FIAT - 850 Spyder Conv, 30-40 MPG, 48,000 mi, eng. majored at 44,000, new upholstery and top. \$1295. Webster, Ext. 2525 or 286-3647

TIRES - (2) Shell, B78-13, mounted on wheels, very good cond, \$20. Kanti, Ext. 2609.

74 SUZUKI - Motorcycle, 185cc, street bike, 600 ci, mint cond. Charlie, 588-6215.

75 DODGE DART - Sport coupe, yellow, ivory vinyl roof and int., p/s, p/b, auto, am radio, w/2 snows and 2 rims, trans. lock. \$2500. 766-7162.

75 TOYOTA CELICA - 5 spd, yellow w/blk top, blk int, radials, rally wheels, am/fm stereo, best offer over \$2,000. Frank, SU5-9841 days or CA1-3762 eves.

69 OPEL WAGON - needs work. \$200. Carl, Ext. 4680.

68 FORD GALAXIE - R/h, a/c, excel running cond, good tires, \$400. Ext. 3504 or 3508.

66 CLASSIC FORD MUSTANG - Conv, new roof, auto, \$1400. 298-5144 from 5 to 7 pm or 286-3333 from 8 am to 3 pm.

73 TRIUMPH MOTORCYCLE - Bonneville, 750cc, 5 spd, excel cond, \$1050. Firm. 924-3236.

67 SUZUKI - 250cc MC, 2 cyl, street, 12,000 orig. mi. \$300. 878-2847.

74 VEGA - auto, am/fm 8 trk, 56,000 mi, 20-27 MPG, runs well. \$700. Cumming, Ext. 4343.

74 VW DASHER - Ext. 3396.

CHEVY - full competition small block chevy, super tricks w/M&H, fuel injection, Holley's crane, must sell, serious callers only. 744-3968.

68 VW - sedan, 70,000 mi, good running cond, needs muffler. \$350. 698-8990.

60 FALCON - fair running cond, 7 good tires, auto, 6 cyl, engine rebuilt in '77, starter & carb recent. \$75. 821-0360.

RIMS - (2) Ford 14", \$5. Mike Tesla, Ext. 3284.

71 PLYMOUTH CRICKET - 68,000 miles, good cond, 4 dr, radio. \$500. 286-8234 or Ext. 2096.

RIMS - (4) new Chev. van, rally rims, best offer. 924-6348.

71 TRIUMPH TR6 - low mileage, new tires, brakes, very good cond. \$1850. 589-4172.

76 PLYMOUTH VOLARE - Station wagon, V8, Premier, auto, p/s, p/b, 60/40 seats, radio, 27,000 mi, \$3500. 744-3744.

70 SUZUKI 500 - excel cond, recent rebuilt eng, approx. 6,000 mi, many extras. \$600. Jack, 298-4263.

TIRES - (4) Dunlop steel belted radial 185/70 HR 13, \$10. ea. Jim, Ext. 4157 or 929-8462.

SNOWS - (2) C78-13, \$50; (5) B78-13, \$75; Ford rims, \$5. ea. Chevy parts priced to sell, mags, engine, car, etc. 744-3968.

74 KARMANN GHIA - conv, 4 spd, am/fm stereo, a/c, radials, yellow. \$2400. 581-9010 after 6.

71 VW SQUAREBACK - 4 spd, am/fm good cond, owner returning abroad, \$800. Alan, Ext. 4530 or 345-3237.

VW PARTS - cheap, 74 Vega motor. \$125. 589-9103.

RIMS - (2) 71 Ford Torino, \$10; (1) 735-14, Sears snow, \$5; Goodyear 750-14 w/rim from Chrysler wagon, \$10. Ext. 4207.

73 PONTIAC CAT - full power, int and ext well taken care of, 47,000 mi, \$2300. Bob DiLello, orig owner. Ext. 2964.

75 AUSTIN GT - 2 dr, am/fm, 4 spd, \$1595. Bill Taylor, Ext. 4662.

TIRES - Knobby motorcycle tires, 3x21 and 3.5x18, \$10. ea. 653-5989.

69 CHEVELLE - Greenbriar wagon, 307 eng, auto, p/s, runs well, good body, needs brake adj/rear window motor/antenna. \$400. Mary Lou, Ext. 2298.

73 DODGE DART - Swinger, small V8, a/c, am/fm, excel cond, \$1750. Bitar, Ext. 3835 or 3108.

72 CHEVY NOVA - 2 dr, 6 cyl, auto, p/s, \$1100. Top cond. MO9-3293.

68 CHEVY CHEVELLE - Malibu, good running cond, 98,000 mi, \$175. 581-7656.

70 FORD STATION WAGON - V8, auto, p/s, p/b, 55,000 mi, \$475. Ext. 2026 or 286-1396.

70 DODGE VAN - good running cond, \$1300. Medina, Ext. 3284.

72 HONDA CHOPPER - damaged, \$250. Medina, Ext. 3284.

67 FORD PICKUP - red, 65,000 mi, 8', 4 whd, Meyers plow, 4 new brushed alum mags, rebuilt engine. \$2,000. 567-2214 after 5.

75 BMW - R60/6, like new, only 13,000 mi. \$2,000 or? Tom, Ext. 2421, 929-8942.

69 CHEVELLE - 71-230-6cyl, rebuilt trans, 5 radials, mech great, body so-so. \$395. John, Ext. 2021.

68 BUICK - Wildcat, auto, a/c, ps/pb, radio, red w/black top, fair body, interior, runs well, 84,000 mi. \$400. Joel, Ext. 4233, 821-1006.

72 DATSUN - 510, 4 spd, gd cond, new snows, runs well. 727-0499.

74 GREMLIN - Std shift, 2 dr, excel gas mileage, 45,000 mi, perfect cond, make offer. 924-7662 or 246-5060.

73 CAPRI - V6, 4 spd, anthracite/blk, good cond, 60K mi, many new parts, \$1500. Jim, Ext. 4157 or 929-8462.

70 FORD MAVERICK - new exhaust system, shocks work on front end, high mileage but reliable, available Sept. 20. \$400. Alan Winter, Ext. 3509 after Labor Day.

ENGINE - 235 Chev engine will fit cars to 1960, good cond. \$25. Frank, 281-9504.

69 VOLVO - 144, parts only, Cliff, Ext. 3514 or 585-6811 eves.

69 SUZUKI - T500, excel cond, saddle bags, fog light, sissy bar and rack. \$500. Edwards, Ext. 4027 or 286-1121.

62 FORD VAN - Classic, new paint job, body excel, needs motor, \$200. Ken, 878-1829.

70 DODGE DART - 2 dr, auto, p/s, snow tires incl, 110,000 mi, runs well, orig owner. Best offer. Joe, Ext. 2251.

BRAKE DRUMS - set of 4, resurfaced, fits Dodge and Plymouth cars w/14" wheels. \$40 or best offer. Joe, Ext. 2251.

58 AUSTIN A-35 SEDAN - 36,000 orig miles, right hand drive, 38 mpg, excel cond. \$1850. 325-0233.

74 JEEP - CJ5 heavy duty equipped, 304 V8, new 11-15 tires, mag rims, shocks, brakes, clutch, battery, hooker headers. Mary, Ext. 4132 or 924-4328.

67 VOLVO - Classic P-1800S, 72 engine, maroon, good cond. \$1000. Ext. 2345 or 472-1735 after 6.

## Boats & Marine Supplies

1967 LARSEN - 17' elec start, 80 hp Johnson, new trailer, 18 gal built in gas tank, many extras. \$1800. 698-8273 after 5.

16 1/2' GLASPAR - deep V; 40 hp Johnson, h.d. trailer, everything new, must sell, ideal for family and fishing. Allan, 698-6376.

1965 26' PACEMAKER - F.B. Sedan, needs completion of ext, some wood work, sound boat, must sell, no reasonable offer refused. Laird, Ext. 4068 or 734-7307.

71 MFG 15' - 72-50 hp elec start Mercury eng, new galvanized trailer. \$1450. Dick, Ext. 2881 or 286-3372.

FIBERGLASS SAILBOAT - 420 class II mains, jib trapeze & trailer, good cond. \$550. 589-4172.

INFLATABLE DINGHY - O'Day 2 person, oars and pump, like new. \$50. Barry, Ext. 3370 or 286-9035.

21' VENTURE - trailer, 4 hp, 3 sails, many extras. 928-2954 after 6.

12' STARCRAFT - alum c/6 hp Evinrude just overhauled. \$250. John, Ext. 3675 or 924-3528.

24' TYLERCRAFT - cruising sailboat, 3 sails, 9.9 hp elec start, 2' draft, extras, excel cond. Ext. 4638 or 567-1196.

18' RHODES DAYSAILER - fiberglass w/trailer, motor, extras, very good cond. \$1800. Gus, 286-9584.

12' ALUMINUM - John Boat. \$65. Ext. 4203 or HR2-2020.

73 BAYLINER - 19' Fiberglass, 135 hp Volvo, navy top, w/75 Shoreline trailer/elec winch, excel cond. Sam, Ext. 2611, 751-3702.

25' WORK BOAT - hull, v-shaped Garvey, needs work, 1958 Chrysler marine engine, direct drive, partially disassembled, needs ring job. \$180. John, 286-1326.

## Miscellaneous

LARGE YARD SALE - Sept. 2 & 3, 7 Pinetree Dr., Shirley. 281-0268 or Ext. 2926.

YARD SALE - Sept. 9 & 10, 10 a.m. to 4 p.m., Country Club Rd, Bellport. 3 Families. Stereo, lamps, furniture, tools, etc. 286-8234.

GARAGE SALE - Sept. 3, 4, 5 & 6. We are moving, 11 Rock Hall Lane, Rocky Point, "The Tides," misc items, plants, books, den furniture, recliners, lamps, household items, etc. Bob, 744-5261 or Ext. 3121.

SOFA - 8 ft \$35; China closet 36x15x57, \$35; Singer sewing machine, 7 yrs old, \$90; 2 French Prov. 1/r chairs, \$50; twin French Prov. headboards, frames and footboards. Ext. 3633, 727-2896.

GAS POWERED - edger trimmer, 3 hp Craftsman. \$50. Mike, 281-6070.

LAWNMOWER - Black & Decker, elec w/bag, very good cond. \$25. Louise, Ext. 3617.

12 GAUGE RELOADER - Lee Load-all, used 5 mos. \$20. Neal, Ext. 4019.

SCANNER - 10 channel regency monitoradio receiver, 110 volt ac or 12 volt. \$100. Bob, 363-6795.

FINE QUALITY - plate glass mirror 42" round w/ backing for wall mounting and base for placement on d/r buffet. \$45. 589-1368.

DINING ROOM SET - Danish modern, walnut finish, 35"x52" table w/2 leaves, 4 chairs, buffet and china closet w/beveled glass doors, good cond, \$395; sofa bed, foam, sleeps 2 comfortably, \$95. Ext. 4532.

DRESSER - w/wood casters, \$25; (1) ea. mahogany & maple single bedstead, \$15 ea; (1) folding shopping cart, \$5; (1) lg rectangular basket, \$10. Ext. 3327.

COUCH - \$20; 11 gold drinking glasses, \$3; lighted make-up mirror, small copper plant holder, adj dress form, med size, make offers. Kathi, Ext. 2913 or 589-8410.

OLD UPRIGHT PIANO - supposed to be 1842 Fischer, needs lots of work and TLC, take it away. Ext. 4238 or 286-3509.

TRUMPET - Buscher Aristocrat w/mutes, brushes, valve protector, etc., excel cond. Bill, 878-0797.

SBE PROGRAMMABLE - scanner. \$250. Carl, Ext. 4680 or 281-7627 after 6.

ANDERSON - perma naronline picture sash 5'8"x 4'6", new unpainted, \$140; and (1) Chev Vega rim, 13" w/very good tire. \$15. 331-2779.

PIONEER - 8 trk player/recorder, fast forward, pause, mint cond. \$85. 475-4394.

OLD THINGS - tobacco tin, \$18; cabbage slicer, \$35; clothes washer, \$15; galvanized zinc wash tub, \$7; hi-intensity lamp, \$5; mirror w/wooden back, \$15. Dorothy, Ext. 3327.

## Classified Ad Policy

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

- For Sale: Auto & Auto Supplies  
 For Sale: Boats & Marine Supplies  
 For Sale: Miscellaneous

- Wanted  
 Carpools  
 Lost & Found  
 Services

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, 40 Brookhaven Avenue.

Employee's Signature \_\_\_\_\_ Life No. \_\_\_\_\_ Ext. \_\_\_\_\_

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

VENDING MACHINES - 6 slots for 5"x2"x7/8" size merchandise (24 items per slot), best offer. 924-3066.

STEREO - hi fi, phonograph, portable, ideal for den or dorm. 584-5919.

CANNING JARS - (glass top) quarts. Ext. 2926.

MAGNAVOX TV - stereo theater, combo, 25" b/w TV/am-fm radio/phonograph, \$50; Univox guitar amplifier, 1 channel, 60 watts, \$50; motorcycle brackets for car, complete hook up, \$20. Ext. 2926 after 5 or 585-9816 anytime.

BABY ITEMS - good cond, full size crib, \$18; swingomatic, \$8; Gerry carrier, \$8; infant seat w/handle, like new, \$8; car seat, \$3. 744-2514.

TENNIS RACKET - Dunlop maxply fort w/cover + press. \$30. Myra, 744-6665.

ELECTROLUX RUG SHAMPOOER - and floor waxer, excel cond, best offer, must sell. 277-5851 after 7.

BABY CARRIAGE - large, fair cond. \$5. Bill, 475-8681 after 6.

DINING ROOM CHINA CLOSET - buffet, pecan wood, excel cond. \$100. Bob, Ext. 3121 or 744-5261.

SEVERAL ITEMS - used household furniture including couch, chairs, tables, bookshelves, desk, and garden tools, bamboo shades. 473-5726.

FREEZER - 17 cu ft chest type, excel cond, family size decreasing. \$150. Lloyd, Ext. 3381 or 286-1024.

SUITCASES - (2) matching brown verdi (soft) 28", used only twice, cost \$40 each, prices at \$20 ea. 744-6862.

GREENHOUSE SALE - orchids and assorted houseplants. Irene Merritt, 589-5126.

WINDOW - dbl hung, 2 over 2, 32"x46", excel cond. \$25. 289-0413.

FURNITURE - Turn of the Century, marble topped chest, loveseat and chair, drop front secretary, bdrm set, lamps, mirrors, rugs. 929-8725.

SOFA - \$5; gold 9x10 rug, \$5; (2) 9.00x15 truck or van snow tires, \$2 ea. Chuck, Ext. 4331 or 698-0710.

FREE - perfect house cat, 2 yrs, affectionate, mostly black, female, part Persian, moving and can't take pets. 286-0369.

FREE - lovable, medium sized, spayed female dog, 4 yrs old, part collie, housebroken, well mannered, loves children and cats. 286-0369.

TENNIS RACQUETS - Davis Classic, Bancroft Super Winner, 4 1/2 L, Slazenger Blue Knight, 4 1/2 M, all in good cond, best offer. Joe, Ext. 4477.

HOLIDAY SPA - VIP membership, realistic. 924-3419.

PORTABLE TV - 15" GE, b/w, 20 mo old. \$40. Alan, Ext. 4530 or 345-3237.

TENT - Coleman Oasis 10x12, like new. \$150. John, Ext. 3848.

LAWN SWEEPER - heavy duty Parker "Hitch & Sweep" w/remote dump, 2 yrs old, excel cond. Orig \$150, asking \$75. Ext. 4601 or 4636.

ROTISSERIE BROILER - \$20; elec knife, \$7; large elec fan, \$5; elec hibachi, indoors or outdoors, \$10; 5 trk alum window frame - windows, storms and screens, \$25; artificial all wood fireplace, \$15. 473-4541.

TEA SET - iridescent blue w/apricot rim, tea pot, sugar & creamer, 4 cups and saucers, 4 demi-cups and saucers (Jap pre-war). \$45. 744-3792.

TENNIS SHOES - Adidas-Stan Smith, boy's size 6, girl's size 7 1/2. \$15 (cost \$24.99). Gene, Ext. 3354.

FIREPLACE - heatilator freestanding conical type, yellow, \$50; Trius trap machine, \$10. 878-2847.

BICYCLE - 3 spd, Royal Scot, ladies. \$35. C. Eterno, Ext. 2446 or 929-6172.

REFRIGERATOR - GE, no frost, white, 15.6 cu ft, model TDF-16D, 3 yrs old. \$250. Mrs. Iwai, 286-0257 eves.

BEDROOM SET - hardrock maple, 42" dresser, mirror, night table, 3/4 size bed, all in excel cond + like new mattress and box spring; l/r wing chair, upholstered in brown tweed fabric, excel cond. 473-8511.

BICYCLE - 10 spd men's Columbia, good cond. \$50. 727-7278.

BICYCLE - Girl's 20" Sears, hi rise, banana seat, good cond, \$15; shower stall base, Fiat 36" corner style, bone fiberglass, brand new, \$20. Ext. 4601 or 4636.

MOTORCYCLE SEAT - brand new, for 1978 400 cc Kawasaki, bench type. \$40 or best offer. 281-0360.

FILING CABINET - solid oak "shaw-walker" 3 dr, letter size, like new cond. \$50. Walt K. Ext. 4504.

SCUBA - diving and camping equipment. 212-IL9-7467, anytime.

COLOR TV - needs work, floor model 19" screen, many recent parts, you pick it up. \$20. Tirre, 281-0360.

SCREENED IN TENT - 12x12, used twice. \$45. Bob Wieser, Ext. 3080.

GE DRYER - de luxe. \$25. 727-0499.

FISH TANK - 10 gal, w/stand, complete set up, just needs water and fish, super deluxe. \$15. Claire, 732-6712.

END TABLES - 4 blonde, gd cond. \$20 complete. 929-4413 after 7 p.m.

FREE - (2) adorable grey/white kittens, need gd homes, both male 8 wks old, will supply all info on shots & altering. Sue, Ext. 2913.

CRAFTSMAN - 1 hp commercial router w/case, edge guide, trim att, table & bits, used twice. \$70. Bill, Ext. 4662.

SLATE - approx 2 yds for retaining wall. \$100 firm. Jim, 924-8522 after 6 p.m.

DELETED LP ALBUMS - thousands, featuring jazz, big bands, vocalists, Broadway shows, movie soundtracks, etc. \$3 ea. Send wants to Bill Gallagher, HFBR, Bldg. 750.

SEWING MACHINE - White w/attachments. \$35. Lynda Hellmer, 281-2339.

YARD SALE - Sept 9, 10, 9:00 to 5:00, 6 Shirley St off Belleview Ave, Center Moriches. 878-1698.

F/P SCREEN - brass & end irons, \$35; Norge a/c, 7000 btu, \$100. AT 6-8718.

PILLOWS - 3 embroidered Holly Hobby. \$12 ea. Sharon, Ext. 3312.

RELOADER - 12 gauge, Leeload-All, used 5 mos. \$20. Neal, Ext. 4019.

DRAPES - 144"x84", \$50; fireplace screens (2), \$10 ea, 3 pc access set, \$15. Jim, Ext. 4157.

LAWN MOWER - B&D 18" elec, 1 yr old. \$50. Jim, Ext. 4157 or 929-8462.

GOLF BALL - top flights, blue max, Spalding, also practice ball, reasonable. Frank, Ext. 2350 or 475-8187.

AMPLIFIER STAGE - for bass guitar or regular guitar, 90 watts, 115" speakers, 2 inputs, line out jack and ext. speaker jack, super mint cond. \$210. 475-1844 after 6.

DINING ROOM SET - 9 pc Early American, table w/2 leaves, 6 captain chairs, 2 pc hutch, like new. \$500. 654-8761 after 4:30.

SNOW BLOWER - 3 1/2 hp. 653-5989.

DINING ROOM SET - Colonial Rock maple, 36" hutch, table extends to 85", 5 chairs. \$250. Peggy, 727-4859.

FUDGE - freshly made and English - it's delicious. \$2.50 per lb. Dianne, Ext. 3097.

TYPEWRITER - Smith Corona, portable, manual, excel cond. \$35. Mills, Ext. 3097 or 3403.

LAZY BOY - pine rocker/recliner, blue upholstery, like new. \$175. 581-7656.

SAIL MAGAZINES - 1971 to 1977, make offer. Barry, Ext. 3370 or 286-9035.

CB WALKIE TALKIE - 3 watt, 4 channel, channels 14, 19, 9 40 crystals may be changed. Cost \$60, asking \$35. Chuck, 821-1525.

FRONT CAR SEAT - blue vinyl, bench-type, 56"x, \$7; (2) aluminum storm sash, 34 1/2"x40"h, to fit within casings; (2) alum storm sash, 35"wx40h, to fit on face of casings. \$5. Pat, Ext. 4519.

BEDROOM SET - 3 pcs, \$105; 20" boy's bike, \$25; rowing exerciser, \$7; elec hot-plate, \$5; baby dressing table, \$5; car seat and training seat, \$3; traveling sprinkler, \$10. Palais, Ext. 2907 or 698-0576.

WASHER & DRYER - Kelvinator, 18 lb capacity, very good cond, both for \$175. Frank Mignone, 281-9504.

ANTIQUe - Mantel clock, rect style, hour + half hour chimes, runs well. \$30. Walt, Ext. 4504.

GARAGE DOOR - w/hardware and rails, 8 ft, 4 section, \$20; 32"x6'8" door, 4 lites, w/door jamb, \$15. Stan S., Ext. 4278.

BUMPER POOL TABLE - w/sticks. \$45. 585-6811 eves.

GIRL'S BICYCLE - \$10; child's skis, \$5; size 7 ice skates, \$5; child's ice skates, \$3. Ext. 3009.

PRESSURE COOKER/CANNER - Sears, used 4 times, instructions incl. \$35. Joe, Ext. 2251.

BICYCLE - 20" boy's banana seat, hi riser, \$20; Singer upright vacuum cleaner, \$25. Sue, 286-0407.

BASS GUITAR - Univox (fender copy), great sound, in mint cond, new rota sound strings. \$225. 475-1844 after 6.

WESTINGHOUSE - Teflon baconer, \$10; sewing machine cabinet, \$10; elec grill (GE), \$12. 473-4541.

DRY SINK - honey maple, 52x36x16, excel, \$75; chrome & formica top dinette set, excel, \$95; 25" color TV Colonial console, excel, \$300; 4x5 Speed Graphic camera outfit, \$275; 20" metal lathe, \$100. 744-9632.

JOINER PLANER - Toolkraft 6" Model 655, 3/4 hp GE motor, unused. List price, \$320, offered for \$175. Ext. 4560 or 473-2297.

BILTRITE BABY CARRIAGE - \$20; baby stroller, \$12; round maple table w/leaf and pads, \$25. Ext. 4203 or HR2-2020.

BIKE SEAT - child's new, \$12; Sony men's 10 spd bike, \$70; B&D 18" elec lawn mower w/catcher, \$75. 475-0144 after 6.

RECLINER - vinyl w/cover, \$35; office chair, wood, \$25; Garrad turntable, \$30. Ext. 4172.

STEREO - Panasonic 35 watt receiver w/2 speakers, Realistic cassette player/recorder, Garard turntable, whole system. \$250. 698-3174 after 6 p.m.

### 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

CALVERTON - Mobile home, 12x65, 2 bdrms, all appliances, w/w, 2 baths, patio, family park, excel cond. \$13,500. 369-2236 after 5:30 p.m.

SOUTH SETAUKET - Strathmore "Framingham," 5 bdrms, 3 full baths, central a/c, underground sprinkling system, w/w carpeting throughout entire house, many extras. \$49,000. 698-1785 after 5 and weekends.

EAST MORICHES - 8 rm house w/detached 2 car garage, 1 1/2 baths, w/w carpeting, attic and bsmt, black top driveway, 1 mi from Bay, an older house in a quiet neighborhood, low taxes. 878-2857.

LAKE PANOMOKA - 3 bdrms, 1 1/2 baths, l/r w/fp, large kit, carpet thru-out, s/s, 4 houses from lake, very clean. \$35,000. 929-6007 or 475-7977.

SOUTH SETAUKET - exclusive neighborhood, 4 yr old 3-4 bdrms, ranch, center hall, lg country kit, 2 baths, l/r, fam rm w/fp, lg fenced in yard, attached garage, laundry rm, carpeted, 3 Vil. Schls, extras, 1/2 acre, underground cables, a/c. \$45,000. 736-2818 or Ext. 2298.

ROCKY POINT - moving out of state, many extras, 4 bdrm Colonial, eik, 2 1/2 baths, w/w carpeting, garage, wood deck, priv beach. 744-1156.

SHOREHAM - 3 yr old, 3 bdrm contemporary ranch, 2 baths, 2 fp's bsmt, secluded, priv beach. 744-9746.

BROOKHAVEN - 3 bdrm, custom ranch, new 20x20 barn on 1 1/2 acres, very desirable area, lux landscaping, extras too numerous to list. 286-0246.

SETAUKET - (Strong's Neck) 3 bdrm ranch, fin bsmt, central a/c, appl, w/w carpeting, draperies, storms, low taxes, beautifully landscaped, 3/4 acres, winter water view, priv beach, moorings. \$75,000 - 25% cash. Ext. 3918.

SHOREHAM VILLAGE - Lg Clarendon custom Colonial, 4 bdrms, 2 1/2 baths, den w/fp, eik, formal d/r, 1 1/4 wooded acre, deck, walk to tennis, beach, country club. \$80,000 (reduced). 744-1935.

HEAD-OF-THE-HARBOR - 1 mi from beach, horse variance, custom farm ranch, 6 bdrms, 5 baths, 3 fps, fin lower level in nightclub decor, 2.48 secluded heavily wooded acres, all appl, must sell this summer, present all offers. 584-6058 or 981-1327.

EAST MORICHES - custom ranch 1/2 acre, priv beach and marina rights, see to appreciate. \$39,500. Ext. 3857 or 878-2603 after 5:30.

MIDDLE ISLAND - Mother/Daughter, 6 rm ranch w/newly fin bsmt, 1-2 bdrm apt, completely carpeted throughout, cyclone fence around 1/4 acre, quiet, dead end street, mint cond, will hold mortgage. \$36,500. Ext. 2413.

COOPERSTOWN, N.Y. AREA - 4 bdrms, 2 fp, 2 baths, garage, pond, 4 1/2 acres, full taxes \$500, owner sacrifices at \$36,000. Frederick Hill, 878-9312 after 5:30 p.m.

HOLTSVILLE - Townhouse condo, new appl & carpet, low taxes, assumable 7% mortgage. \$25,900. Thomas, Ext. 2043.

### For Rent

CENTER MORICHES - beautiful studio apt, priv ent, full bath and kitchen, fp. \$195/mo incl util. Ted, Ext. 3295 or 878-8329.

MOUNT SINAI - harbor view, 3 bdrms, 2 1/2 baths, furn, lg 22x22 l/r, full d/r, eik, all appl, woodburning fp, low util, 1 fam only, Sept. 7 thru June 7. \$385/mo. Owner 473-0674.

STRATHMORE RIDGE - 2 bdrm, 1 1/2 bath Townhouse, central a/c, all appl, w/w carpeting, prime location, 5 min to Lab. \$315/mo + util. 924-6761.

BELLPORT - very large room w/fp, own bathroom, share kitchen, separate entrance. Margaret, 286-9035.

WADING RIVER - attractive location, 3 bdrms, wooded yard. \$250/mo (util not incl) available immediately. 212-254-7206.

PORT JEFFERSON - 2 bdrm apt near bus route to Stony Brook. 280/mo incl heat, can provide most furn cheap if needed. 473-5726, if no answer, 331-1396.

MIDDLE ISLAND - condo for rent or sale. Peterson, 585-7432.

MOUNT SINAI - 3 bdrm, fully furn, full fin bsmt, pool table, built-in bar, fp, 2 baths, Oct. 1 to Jan. 31. Ext. 4260, 928-5737.

HAMPTON BAYS - Shinnecock Hills, furn 3 bdrm ranch, very private in pine tree setting, 30 min to Lab, available 'til Memorial Day. \$195. Sue, Ext. 2670, 728-9408.

### Wanted

COMPACT REFRIGERATOR - 1.5 to 2.5 cu ft in good working cond. Ext. 4730 or 744-6938.

HOME FOR KITTENS - 8 wks old, 1 female calico, 1 grey/white male. Alina, 281-7547.

FIREPLACE LOGS - 2 to 3 cords (hard wood) half splits 30"-36" long. 475-8658 after 6.

ENGINE CYLINDER - for Yamaha 250 DT1F 1971. 588-5833.

FOLK DANCERS - for international folk dancing, Mondays at 8:00 p.m. starting Sept. 11, beginners-intermediate-advanced. 751-8763 for details.

ANYONE - who wants several sports trophies free, preferably for charitable causes. 286-0376.

SWIMMING POOL PUMP - reasonable. Bob, Ext. 3309.

OUTBOARD MOTOR - 15, 18 or 25 hp. John, Ext. 3848.

RIDER - to share driving/expenses to Mississippi/Louisiana area (or points between) on or about 9/8/78. G. Johnson, 821-0303.

WASHER - front loading, any cond. Nancy, 281-4673.

STORM DOOR - wood frame double glazed door or window 36"x80 1/2. 727-5527.

LIVE IN BABYSITTER - to sit in my home Sept. 9-14 for 5 and 8 yr old girls. Ext. 4486 or 281-3684 eves.

REFRIGERATOR - w/some freezer space, good working order. Judy, 928-6939.

COUPLES - interested in joining a group established for casual bridge playing. Both regular and alternate players welcome. Chuck, Ext. 4331.

BABYSITTER - 5 days, approximately 7 to 4 p.m. \$40/wk. Shoreham area. 473-7914.

IBM - electric typewriter, pica print, model C, carbon ribbon. 281-1773.

### Car Pools

NORTH BAY SHORE - driver needed from Manatuck Blvd. (5th Ave.) north of Southern State Pkwy. John, Ext. 2819.

EAST ISLIP - 2 man car pool desires other driver/riders. Ext. 4532.

BELLPORT - driver wanted. Bookless, Ext. 4510.

MEDFORD - Sid Farber Estates, need ride to and from Lab, will share exp. Bob, Ext. 3080.

STONYBROOK - want to form new car pool from south Stony Brook, 1/2 driver/riders. Paul, Ext. 2961.

### Services

WOODEN SHIPS DIVERS - recovery and discovery, boats raised, mooring, hull scraping, props, zincs. 744-3968.

CERTIFIED NURSES AID - will work Port Jeff, Miller Place, Sound Beach, Rocky Point. 744-3968 after 12 noon.

CLEANING LADY - needs work \$3 per hr. 281-3992.

BABYSITTER - eves and weekends, responsible adult, have own transportation, reasonable rates. 929-4358.

PARCEL PICKUPS - deliveries, and household moving. Bob, 764-7453 after 5:30 p.m.

BLACKTOP - paving & sealing. Bob, 475-4382.

ACCIDENT? CAR DENTED? NEED A PAINT JOB? - don't be drowned in a sea of estimates and other hassles. Ext. 2546 or 744-4047.

SEWING - hems & alterations. Sharon, Ext. 3312 or 878-2591.

ELECTROLUX - sales, supplies and service. Ext. 3336 or 475-8456.

PAINTING - int/ext, free estimates, reasonable rates. 283-6255 or 727-6539 after 6.

CHILD CARE - my children in school full time, have lots of love & attention to care for yours in my home in Shoreham. Lunch, snack, fenced yard. Carol, 821-9547.

NEW & USED TIRES - rims, repairs, MAG wheel service, reg, radial, Dunlop-Firestone, free instal, balance avail. Fred Usack, Ext. 4597 lunchtime or 475-4935 eves.

SEWING - hems & alterations. Sharon, Ext. 3312.

CAR RIDE - to U.S. Open Tennis, Sept. 5. Ext. 2459.

NEW & USED TIRES - rims, repairs, MAG wheels serv, reg, radial, Dunlop-Firestone, free instal, balance avail. Fred Usack, Ext. 4597 lunchtime or 475-4935 eves.