BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

AUI President Tape Retires Today

Dr. Tape replaces earth dug up for the placing of a concrete survey marker during the October 1978 ISABELLE ground-breaking ceremonies. With him is L.I. Congressman Jerome Ambro.

Gerald F. Tape will retire as President of Associated Universities, Inc. on October 10, following an association with AUI and BNL which began some 30 years ago.

"The entire Board of Trustees joins me in offering sincere thanks to Dr. Tape for his years of service to AUI," said W. Donald Cooke, Chairman of AUI's Board of Trustees. "His excellent leadership has been a priceless asset both to AUI and to the national scientific effort. I am happy to announce that he has agreed to continue his association with AUI on a part-time basis, as Special Assistant to the President."

Succeeding Tape as President of AUI will be Robert E. Hughes, who became President-Elect on July 1, 1980.

Associated Universities, Inc.

Associated Universities, Inc. was organized in 1946 to establish and operate Brookhaven National Laboratory under contract to the Atomic Energy Commission. (The contract was continued with the Energy Research and Development Administration and later with the Department of Energy.) The formation of AUI and BNL provided a new approach to the support of research by the Federal Goverment, especially for large-scale undertakings of interest to the academic science community.

In 1956 AUI also established, and has since operated the National Radio Astronomy Observatory under contract to the National Science Foundation. The policies and practices of both BNL and NRAO have been conductive to productive research, using effectively the country's scientific and engineering talents, especially those from the academic community.

AUI Flourishes, BNL Benefits

"Under Jerry Tape's Presidency AUI has flourished and Brookhaven has benefited tremendously," said Laboratory Director George H. Vineyard. "Jerry has always had a devoted interest in the Lab and, from his long experience, a deep understanding of our problems and our strengths. He has been a wise, helpful, and enthusiastic representative of our interests in Washington. It has been a great personal pleasure to work with him, and I am delighted that his retirement will not be complete–since he intends to remain as Special Assistant to the new President, we can continue to make use of his counsel."

Gerald F. Tape was born in Ann Arbor, Michigan in 1915. He received his A.B. degree from Eastern Michigan University and his M.S. and Ph.D. degrees in physics from the University of Michigan.

In 1939, he became Instructor in Physics at Cornell. In 1942, he went on leave from Cornell to become a staff member at M.I.T.'s Radiation (Radar) Laboratory. He remained there working on World War II projects until 1946, when he joined the physics faculty of the University of Illinois.

"Statesman of Science"

Former Laboratory Director Maurice Goldhaber first knew Tape as a colleague at the University of Illinois. Both came to Brookhaven in 1950–Goldhaber as a member of the Physics Department, and Tape as Assistant to the Director.

At the HFBR dedication ceremonies in April 1966, AEC Commissioner Gerald Tape and Lab Director Maurice Goldhaber.

"We joined Brookhaven at nearly the same time," recalls Goldhaber. "I always admired the calm, patient way in which Jerry analyzed difficult problems and the fairness with which he resolved conflicts. He has made his mark on many aspects of science administration and has justly been called a 'statesman of science.'"

Tape was appointed Deputy Director of BNL in 1951 and held that post until 1962, when he was named Vice President of AUI. The next year, he became AUI President.

Appointed to AEC

In July 1963, President Kennedy appointed him a commissioner of the the U.S. Atomic Energy Commission. He was reappointed by President Johnson and served until May 1969, when he resigned from the AEC to rejoin AUI as President. He has held that post since then.

Nobel Laureate I.I. Rabi, now an honorary Trustee of AUI, was one of the incorporating Trustees in 1946 and has served continuously ever since. He notes that his long association with Tape dates back to their work during the war at M.I.T.'s Radiation Laboratory in Cambridge. "Dr. Tape was always a very stabilizing influence in the organization (AUI), which was recognized in Washington. He gave 'the customer' – that is, the Gover-

(Continued on page 2)

Before an AUI lecture in 1977, Dr. Tape talks of two old friends, former Laboratory Director Leland J. Haworth (left) and Nobel Laureate I.I. Rabi.

BNL Lecture

Accelerators I Knew When. . . John Blewett

John Blewett, designer and builder of accelerators, will give the next BNL lecture on Wednesday, October 15 at 8 p.m. in Berkner Hall. The last lecture Blewett gave was on "Accelerators of the Future." This time around, he will look the other way in a talk entitled "Reminiscences About Accelerators."

With M. Stanley Livingston in 1962, Blewett wrote a book on particle accelerators which is still considered a definitive work. He says between the two of them, they personally know most of the accelerators ever built.

Blewett's first encounter with an accelerator was in 1936 when he was at Cavendish Lab studying nuclear physics under Rutherford. Next door to his experiment was a high voltage generator that later came to be known as the "Cockcroft-Walton." Cockcroft was still at the Cavendish then. Blewett says it was an inspiring place to be.

When he came to Brookhaven in 1947, he worked on the design and construction of the Cosmotron, a proton synchrotron. It was the accelerator which won the race to 1 BeV in 1952. The achievement captured public attention. He recalls a headline in Newsday proclaiming "Billion Volt Power Produced at A Lab." Life magazine heralded the event with "Particles to Over 170 Thousand Miles Per Second."

During the early years of planning the Alternating Gradient Synchrotron, Blewett did model studies of the machine. For example, a full diameter, but only 10-foot long LINAC was built.

Blewett also did work on soil mechanics, becoming well acquainted with Long Island sand and its elasticity. The big question was "what would happen if 20,000 tons were loaded onto 100 square feet of sand? He says where shielding was placed, the ground sank by a predictable amount. Conversely, it rose where excavations were made for the tunnel.

After the AGS was built, Blewett went on to design other accelerators. He presented the first paper on ISABELLE at a CERN conference in 1971. He also did some of the early writing on the National Synchrotron Light Source, having first detected synchrotron radiation in 1946 while at General Electric in Schenectady.

His latest venture has been on wigglers. As Blewett explains, a wiggler is a device in which a magnetic field alternates in direction very rapidly. Electrons going through this field wiggle and thus radiate, producing a spectrum very different from synchrotron radiation. The device will be used in free electron lasers for the NSLS.

Blewett graduated from the University of Toronto where he received his Batchelor's degree in Mathematics and Physics in 1932 and his Master's degree in 1933. He obtained a Ph.D. from Princeton University in 1936. During 1936 and 1937 he held a Postdoctoral Fellowship from the Royal Society of Canada at the Cavendish Laboratory in Cambridge, England.

Before coming to Brookhaven, Blewett spent ten years at the Research Laboratory of the General Electric Company, where he worked on thermionics, microwaves, particle accelerators and other miscellany.

(Continued on page 2)

Mort Rosen

John Blewett

Alex Reben

Gerald Feinberg, Columbia University making the Festschrift presentation to Maurice Goldhaber.

Vignettes From Goldhaber

Several hundred friends and colleagues of Maurice Goldhaber gathered at Berkner Hall last week for the Festschrift in his honor. After the presentation of the Festschrift, Goldhaber spoke to the group. Here are a few of his remarks.

"When I started to study in Berlin half a century ago, it was one of the great centers of physics. At a colloquium you could usually see in the front row such luminaries as Max Planck, Albert Einstein, Walter Nernst, Max V. Laue, Erwin Schroedinger and Lise Meitner. . . At that time the physicists knew of only three particles: the proton, the electron and the photon, and everything in the physical world appeared to be explained by their existence. Physics then, in all branches, exhibited great unity. . .

"Though Rutherford's great intuition had made a case for the existence of a neutron and Dirac's penetrating logic a case for the existence of a positron, these particles were only discovered, both in 1932,by following up accidental observations rather than by a direct, rational search. Nowadays when a particle is dreamed up, rational searches usually start as promptly as possible. It is interesting to notice that physicists who pride themselves on being rational usually pay the greatest attention to a discovery which was in some sense expected but not specifically looked for. They seem most excited, if I may coin a paradoxical term, by an 'expected surprise.' There are many examples of this, and some historians of science may want to look more closely at this paradox. I remember when the news of Chadwick's discovery of the neutron reached Berlin. Miss Meitner gave a colloquium about it. She was so excited that she talked of neutron collisions with a 'brass nucleus.' This brought down the house. But you may say, so what: after all the 'brass nucleus' has three isotopes fewer than the tin nucleus.

"The next particle, the muon, discovered in cosmic radiation in 1937, both at Harvard and at Cal Tech, was an unexpected surprise and later elicited from Rabi the apt question: 'Who ordered that?' . . .

"When I became Director one of the first things I did was to order a traffic light for the main entrance. Now I can tell you a little secret: that light turns green whenever someone enters the Lab with a good idea. I believe this country can afford to support all good ideas at a level appropriate to their state of development, especially when they need nursing most, that is, when they are fresh and young; in fact, one might even say we cannot afford not to support good ideas. . .

"Rutherford liked to say, in his bluff and lordly way, that 'the modern physicist is very quick in finding things if you tell him where to look,' meaning that he, Rutherford, preferred to rely on his inner intuition. Rutherford would be sorry to learn that in recent years I also have become a 'modern physicist' by collaborating with physicists of the Universities of Irvine and Michigan in a search for proton decay in a lifetime interval where Shelley Glashow and his fellow theoreticians tell us to look. But we are still keeping an open mind as you can see from a toast to the proton, given at one of our collaboration meetings.

"The proton, may it live forever, but if it dies, may it die in our arms."

Mort Rosen

Anna Kissel, Maurice Goldhaber's secretary for nearly two decades, has been the secretary of BNL's first three directors.

Blewett (Continued)

He was Deputy Chairman of BNL's Accelerator Department, and was in charge of advanced design studies for accelerators. He was also founder and editor of the journal "Particle Accelerators." From 1973-75, he was in the Directors Office managing BNL energy programs. Blewett retired from the Lab in 1978, but has kept active organizing various accelerator conferences and working on free electron lasers and the NSLS.

A buffet supper is served at 6:30 p.m. at the Brookhaven Center before the lecture. Many find it convenient and it is a pleasant way to meet members of other departments. Reservations for the buffet should be made in advance by calling Ext. 3541 before 5 p.m. on the day of the lecture.

Tutors Wanted

In Suffolk County there are at least 20,000 adults who are unable to fill out a job application, or read the instructions and warnings on a medicine bottle.

The Literacy Volunteers of Suffolk, a group which is trying to remedy this situation, needs volunteers to tutor adults non-readers on a one-to-one basis, one hour a week. To qualify new volunteers as tutors, members of this organization will give a five-session training workshop in Berkner Hall from 5:15 to 8:15 p.m. on the following dates: October 29, November 3, 10, 12 and 17.

Those who are interested in teaching basic reading skills to adults, should register for the workshop by calling Helen on extension 3331, or 286-1649.

BERA Concert Series

Here is advance notice on the 1980-81 BERA Concert Series. Details will appear in subsequent issues of the Bulletin before each performance. All concerts begin at 8:30 p.m. in Berkner Hall.

Music From Marlboro
Monday, November 3

Violinist Hiroko Yajima, pianist Andras Schiff and cellist Gary Hoffman will appear in the same program they will present this season in Alice Tully Hall and other major concert halls across the continent.

Cleveland String Quartet
Tuesday, January 6

Founded in 1969, the Cleveland Quartet has won acclaim from the press and concert goers around the world as one of the great string quartets of our time. In the past five years their RCA releases have won national recognition, including several Grammy nominations and Best of the Year awards from Time Magazine and Stereo Review.

Stephanie Brown
Tuesday, February 10

Stephanie Brown has appeared with the Brandenburg Ensemble, the St. Louis, Seattle and Detroit Symphony Orchestras and the New York Philharmonic. Her New York recitals have received critical acclaim in the press. She is a young performer who seems to have the spark of individuality that separates the exceptional from the good, solid professional.

Stuttgart Trio
Thursday, March 19

The Stuttgart Trio received the Mendelssohn Prize in Berlin and won the First Prize at the International Competition in Munich within the first year if its founding in 1968.

Paula Robison and Ruth Laredo
Tuesday, May 12

Flutist Paula Robison and pianist Ruth Laredo are among the most popular performers to appear in the BERA Concert Series. Ms. Robison regularly appears with the Chamber Music Society of Lincoln Center, at the Brooklyn Academy of Music, the Mostly Mozart and Caramoor Festivals, and in her own recital series at Lincoln Center.

One of the world's great pianists, Ruth Laredo has achieved distinction on three continents with her recital and concerto performances and many recordings.

Ticket Prices

Single Admission
Adults - $6
Students and Senior Citizens - $4
Under 18 - $3

Block Tickets
$5 a ticket for a minimum of five tickets, good at any concert. Block tickets may be purchased at the door on the night of the first concert, or in advance from the persons listed below.

	Ext.	Bldg.
Arnie Aronson, DNE	2606	130
Clemens Auerbach, DNE	2914	197
Howard Gordon, Physics	3740	510
Geoffrey Hind, Biology	3400	463
Richard Holroyd, Chem.	4329	555
Don Lazarus, Accel.	4643	911
Maria Pavlova, Medical	3634	490
Ed Popenoe, Medical	3622	490
Steve Schwartz, DEE	3100	426
Larry Trueman, Physics	3767	510

Tape (Continued)

ment – confidence in the Lab under AUI supervision."

U.S. Representative to IAEA

President Nixon appointed Tape U.S. Representative to the International Atomic Energy Agency with the rank of Ambassador in 1973, a position which he held until August 1977.

Tape has served on numerous government committees and panels, among them the President's Science Advisory Committee, the Defense Science Board, and the Energy Research and Development Administration's General Advisory Committee. He was Senior Technical Advisor to the Atomic Energy Commission for the Fourth International Conference on the Peaceful Uses of Atomic Energy.

In 1978 he was awarded the Henry DeWolf Smyth Nuclear Statesman Award by the Atomic Industrial Forum and the American Nuclear Society. The Smyth Award recognizes outstanding service in developing and guiding the uses of atomic energy in contructive channels.

His other honors include an honorary Doctor of Science degree from Eastern Michigan University, a Department of State Tribute of Appreciation, the Secretary of Defense Meritorious Civilian Service Medal, the Department of Defense Distinguished Public Service Medal, and the Order of Leopold II with the rank of Commander, from the Belgian Government.

He is a fellow of the American Nuclear Society, the American Physical Society and the American Asscia-tion for the Advancement of Science. He is a member of the American Astronomical Society, Phi Beta Kappa, Phi Kappa Phi, Sigma Xi, and Kappa Delta Pi.

Tape and his wife, former Josephine Waffen, live in Bethesda, Maryland. They have three sons, Walter, James, and Thomas.

–Anne Baittinger

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Islanders Tickets

If you happened to miss opening day of ticket sales at the BERA Sales Office for Islanders home games, take heart. As the following list shows, there is still a good selection of available tickets.

Date	Opposing Team	No. of Tickets Available
Oct. - Tue. 14	St. Louis	6
Sat. 18	Edmonton	2
Tue. 21	Vancouver	6
Nov. - Tue. 4	Detroit	2
Thu. 20	Hartford	8
Tue. 25	Winnipeg	4
Dec. - Tue. 2	Colorado	8
Tue. 16	Winnipeg	6
Sat. 20	Quebec	2
Tue. 23	Calgary	6
Tue. 30	Colorado	4
Jan. - Sat. 3	Hartford	2
Tue. 20	Calgary	6
Feb. - Tue. 3	Los Angeles	2
Mar. - Tue. 3	Edmonton	4

Only those employees who buy regular season tickets through BERA will be eligible for the playoff/championship ticket buying drawing next April. (That is, of course, if the Islanders again reach that pinnacle.)

The BERA Sales Office is open Monday through Friday from 9:00 a.m. to 1:00 p.m.

Bowling

Green League

The Sparks moved into first place as they took 11 from the 76'ers with G. Spira bowling a 200. The Trouble Shooters could only salvage 4 from the Old Timers with R. Helmig bowling a 225. The Pinball Wizards took 11 from the Freon Loaders with R. Eggert bowling a 202 and M. Israel 214. The Blue Jays took 11 from the Phoubars. D. Stelmaschuk bowled a 212/691 gross. The Old Timers II took 6 from the Strangers with B. Galen having a 202. The Light Source could only manage 3 from the Designers.

Pink League

High games were bowled by Millie Connelly with a 172 and April Donegain with a 171/238 gross. Other good games were bowled by Mary-Grace Meier 164 and Claudia Tyler 155.

Purple & White League

The Good Times are in first with the Sick Six in second. Ed Meier rolled a 604 series with games of 212/203/189 and Jim Griffin had high game with a 238. Grace Kyhl had a 472 series, Sharon Creveling a 186 game. Other good games were bowled by Gerri Riker 180, Grace Kyhl 179, Gail Schuman 179.

Red League

The Sandbaggers won 8-3 over Isa Team. K. Riker bowled a (221) 570-672 series, M. Iarocci (210-202) 586-646 series and R. Jones grossed 619. The Old Timers won 7-4 over the Trouble Shooters. R. Adams grossed 635, H. Frei 608 and J. Roesler 606. The Designers took 7 from the Light Source with A. Pinelli grossing 624. The Strangers split 5-6 with the Old Timers II. F. Griswold grossed 607. The 76'ers lost 11 to the Sparks with J. Connelly grossing 602. The Freon Loaders also lost 11 to the Pinball Wizards. In a make up series, the Freon Loaders took 7 from the Phoubars with T. Rudolf grossing 615.

Growing Up

Doug Humphrey

The Day Care/Learning Center located at the Middle Island Presbyterian Church on Longwood Road is now open and flourishing.

The facility offers a stimulating educational program for children between the ages of two through five years. A full lunch menu is included in the tuition charge. Hours are flexible to suit the needs of individuals. Enrollment is not restricted to children of BNL employees.

For additional information about Kids R Us Learning Center call 924-8021 or 744-6015. Better yet, stop in for a visit and see them in action!

Runner's Corner

The club will hold their final marathon logistics meeting on Tuesday, October 14 at 12:00 noon in the conference room of Building 318. All runners and spectators are urged to attend. Plans for the bus, hotel, number pick-up and meeting spots will be finalized. There are bus seats still available for both runners and spectators. Contact John Ferrero, Building 134C, Ext. 3466.

Motorcycle Club

Our monthly meeting is Monday, October 13 at 5:15 p.m. in the Recreation Building. Did anyone ever get to savor any Maryland crab cakes? Tell us about it.

Arrivals & Departures

Arrivals

Carlton E. Carter–.....Accelerator
Boyce H. Grier.....Physics
Itaru Ishii.....–.....Accelerator
Klaus B. Jaeger.....Accelerator
Julia S. Larsen.....Accelerator
Jiri J. Lastuvka.....Central Shops
Etienne J. Pochon.....Chemistry
Evelyn Waldstein.....Biology

Departures

Marion C. Gaffga.....Physics
Anita J. Lewis.....Biology
Donald W. Slater.....Medical
Sen-Sung Tsai.....Nuclear Energy
Arthur J. White.....Accelerator

Cafeteria Menu

Week Ending October 17, 1980

Monday, October 13

Cream of tomato soup	(cup)	.45
	(bowl)	.55
Salisbury steak & 1 veg.		1.45
Apple pancakes & sausage		1.40
Hot Deli – Roasted turkey breast	(on bread)	1.50
	(on roll)	1.60

Tuesday, October 14

Philadelphia pepper pot soup	(cup)	.45
	(bowl)	.55
Ham & navy bean casserole w/corn bread		1.45
Broiled fillet of fish & 1 veg.		1.45
Hot Deli – Grilled Reuben		1.45

Wednesday, October 15

Beef noodle soup	(cup)	.45
	(bowl)	.55
Veal stew Vienna style w/1 veg.		1.55
Roasted pork loin & 1 veg.		1.50
Hot Deli – Roast beef	(on bread)	1.55
	(on roll)	1.65

Thursday, October 16

Pork & cabbage soup	(cup)	.45
	(bowl)	.55
Roasted chicken w/stuffing & 1 veg.		1.50
Sauerbraten & potato pancake		1.55
Hot Deli – Smoked, baked ham	(on bread)	1.45
	(on roll)	1.55

Friday, October 17

Manhattan clam chowder	(cup)	.50
	(bowl)	.60
Shells w/white clam sauce & garlic bread		1.35
Breaded pork chop w/apple sauce & 1 veg.		1.55
Hot Deli – Fried fillet hero		1.45

Sitar Concert

Shalil Shankar, a popular and outstanding sitar player from India, will give a concert tonight in Berkner Hall at 8:30 p.m. Tickets are $3 and will be sold at the door.

Diet? No, Disco!

BERA is offering a program of slimnastic and aerobic exercise classes to Lab employees who would like to follow the crowd and get on the physical fitness bandwagon. The course will consist of once-a-week, one-hour sessions for eight consecutive weeks. Classes will be held in the Recreation Building on Mondays at 5:15, starting Octobr 27.

According to Program Instructor Barbara Kaugerts, each class will begin with simple stretching and bending exercises followed by a series of more lively calisthenics leading into 15 to 20 minutes of aerobic routines. For those who are not familiar with aerobics, they are vigorous dance exercises set to music (usually disco).

Limited space precludes registration of more than 20 people. Therefore, if you are interested call the RecreationOffice, Ext. 2873, as soon as possible since names will be taken in the order calls are received.

Because of the energetic nature of these exercises, Mrs. Kaugerts advises anyone having a health problem to get a doctor's approval before signing up for the course.

A fee of $8 for the entire series will be due during the first session on October 27. No refunds will be given for missed classes.

If the program proves successful and interest continues, another course will be scheduled after the first of the new year.

Call for Donors

Scientists in the Medical Department are involved in several programs investigating characteristics of human blood cells and the bone marrow from which the blood cells originate. Much of this work involves the study of blood and bone marrow from patients with blood related disorders. However, in addition to characterizing patient samples, it is necessary to make comparisons with samples from normal individuals. In other studies, the effects of various environmental pollutants on normal bone marrow and blood cells are examined in culture systems. All these studies require blood and bone marrow samples from normal healthy individuals.

To meet this need, a program was established several years ago whereby BNL employees may be compensated $10 for the withdrawal of up to 50 milliliters of blood and $50 for up to 10 milliliters of bone marrow.

A list of individuals wishing to participate will be maintained at the Hospital and as the need for marrow and/or blood for the laboratory studies arise, individuals will be called. Obtaining blood for these studies is not a part of the blood donor program sponsored by the American Red Cross.

Requirements for participation in this program are that the individual be a Lab employee, at least 21 years of age and in good health. Since samples will be taken as sheduled during the regular working hours (8:30 a.m. to 5:00 p.m.), absence from one's duties must be approved by the individual's supervisor. The total time required in the Medical Department for taking a blood sample will be 10 minutes; for taking a bone marrow sample, about 30 minutes.

Any employee interested in participating in these studies can get more information by calling Ext. 3672.

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.

The determination of the best-qualified candidate for available positions will be based upon education, experience and other job-related criteria. Such factors will be evaluated and measured against the demonstrable requirements of the available vacancy, as well as the Laboratory's Affirmative Action objectives.

The Laboratory is committed to a policy of Equal Opportunity in its selection and placement of personnel. Its objective is equality of opportunity in employment, training, and promotion without regard to race, color, religion, national origin, sex, age or handicap.

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.

1480. LABORATORY CUSTODIAN - Plant Engineering Division.

Autos & Auto Supplies

74 IMPALA - mint cond, a/c, p/s, p/b, 75,000 orig mi, garaged, extras. $1,600. Vinnie, Ext. 3284 or 744-9429.

CUSTOM CAP - and insert, 8' bed includes 30# ice box and porta pottie. $800. 281-2186.

73 PLYMOUTH - sta wgn, auto, a/c, p/s, p/b, body good, runs well. Cumming, Ext. 4343 or Ext. 4347.

69 AMX - 1 seat Classic, mint, 78,500 mi, rust proofed, mag wheels, 390 Hearst shift, 4 spd, 15 mpg. A. Losi, Ext. 2502 or 281-7302 after 6:30 pm.

75 FIAT - 128 SL, S/T, very good cond. $1,750. Carl, Ext. 4680 or 281-7627 after 6 pm.

78 GS-1000 - fastest motorcycle at BNL, one of a kind. $4,800. E. Edwards, Ext. 4027 or 286-1121.

76 CHEVY - Vega, 25 mpg, runs well, high mi. $850 or make offer. George, Ext. 3373.

72 TRIUMPH - Daytona 500cc, stock, cosmetically restored, 2,000 orig mi, perfect. $1,500 firm. Ed, Ext. 4447 or 821-1783 eves.

75 DODGE - Swinger 6, new trans, a/t, a/c, p/s, p/b, runs good, clean, high mi. $1,700. Tom, Ext. 3273.

CAR RAMPS - one set in excel cond, $12; Bi-pod bumper jack, $8. Bob, Ext. 4551.

72 VW SUPERBEETLE - reliable, some rust, otherwise very good, rebuilt engine, new battery. Ext. 7743 or 286-0252 after 6.

72 PLYMOUTH - Duster, 6 cyl, auto, p/s, new tires, a/c, new muffler, good running cond. $550. Ext. 4960.

RADIO - Sears, am/fm stereo, push button, 12V, new. $35. 289-0413.

77 HONDA - Super Sport 750cc, 10,000 mi, clean, runs very good. Ext. 4095 or 665-7535.

RIMS - (5) chrome plated 15", 5 lug, GM (Buick). $50. Doug, Ext. 4096.

71 CADDY - Coupe De Ville, good running car. $400. Ext. 4351.

73 HONDA - CB450, good cond, new engine, must sell. $450. Lew, Ext. 3082.

74 DODGE - Dart, 318 V8, p/s, p/b, a/t, a/c, high mi, orig owner, some body damage. $650. Bob, Ext. 3370.

VW BEETLE - $650. Chris, Ext. 2907, 286-9051 weekends.

73 PONTIAC - Ventura, 4 dr. sedan, 6 cyl, 107,000 mi, 20 mpg, ½ gal oil/1,000 mi, a/t, leaving on Oct 11. $400. Ext. 7571 or 345-4893.

74 AVENGER - Travel Trailer, 18', self contained, very good cond, must be seen. $2,500. 475-3632.

67 TRIUMPH 1 650cc complete bike, good for parts or restoration, new Dunlops. $275. Ext. 7698 or 289-8479.

79 FORD VAN - 150 series, 21,000 mi, excel cond, interior fin, many extras. $6,000 firm. 924-5192 eves.

72 CHEVY - Nova, V6, p/s, 4 dr, 69,300 mi, good cond, must sell. $450. Ask for Min, Ext. 3492 or 3211 after 6.

WHEELS - (2) 15" Ford rims, good cond. $20/pr. B. Azzara, Ext. 2050.

75 DODGE VAN - new trans, linkage, exhaust, alternator, paneled insulated good rubber, 45,000 mi. $2,395. Ext. 7698 or 289-8479.

77 VOLARE - 6 cyl wgn, p/s, p/b, excel cond, must sell. $2,600 negotiable. 399-3227.

TIRE INFLATOR - portable 100 psi compressor plugs into 12v cigarette lighter, w/press gauge. $20. Ext. 2522 or 286-0810 eves.

74 JEEP - CJ-5, 3 spd, 304 eng, yellow w/brown soft top, levi seats, 71,000 mi, some rust. $3,300. Ext. 7513 or 878-4618.

71 PLYMOUTH - sta wgn, 318 cu in., good cond. $500. E. Edwards, Ext. 4027 or 286-1121.

Boats & Marine Supplies

12' ALUM BOAT - 7½ hp Sears o/b, gas tank, oars, anchor, excel. Ernie, 727-2861 after 5:30 pm.

17' EXPLORER - day sailer, new stays and centerboard, newly rebuilt rudder, 2 pair sails, needs slight hull repair. $750. Shreeve, 286-8807.

1973 "O-DAY - Javelin fiberglass sail boat, 14' with 3½ hp motor and trailer, all excel cond. $1,950. Ext. 4452 or 928-5199.

1971 SLICKRAFT - 215 hp complete w/skis, pwr winch, trailer, CB, new OMC outdrive, manifolds, battery, etc. $3,000 or best offer. 588-8878 days or 732-2570 eves.

NAVY WHALEBOAT - 26 ft Ketch leaving area, must sell, best offer, needs work. Wes, Ext. 3760.

50 HP MERCURY - outboard, 1978 blown cyl, lower and mid-housing excel. $200. 289-7598 after 6 pm.

10 HP CHRYSLER - outboard, needs some work. $50. John, Ext. 4312.

22' GARVEY - clamming tools, 55 hp Bearcat and 90 hp Johnson, all need work. Negotiable. 286-2271.

ICE BOAT - two seat Skeeter, three sets runners, boat cover, good cond, ready to sail. $250. 929-4173 after 5:30.

SEAFARER 22 - 1975 sailboat, 6 hp outboard, life rails, stern rail, completely equipped, excel cond. $6,900. 724-2923.

1972 SEARAY - 24' weekender, 225 OMC, all electronics, full galley, swim platform, must sell. $7,600. Ext. 3397 or 628-1338.

23' SLOOP Kells sailaway w/3 sails, 5½ hp seagull, galv trailer, sleeps 5. $6,000. Rich, Ext. 2501 or 924-4237.

Yard Sales

CAR WASH - and bake sale. Boy Scout Troop 551. Oct. 11, Moriches Elem Annex, Montauk Hwy.

GARAGE SALE - Oct 10 to 13. Hyson Way off Old Town Rd, Coram. Furniture, ornaments, books, clothes, garden tools. 732-5166.

TAG SALE - Oct 11 and 12, 9 to 4 pm. South Pillips Ave, Remsenburg.

Miscellaneous

ELECTRONIC GAME - digital Derby. $10. Curt, 653-4195.

SCANNER - 4 chan Bearcat w/batt, charger, 3 crystals, rubber ant. $80. Paul, Ext. 4665 or 727-4859.

AMPLIFIER - Peavey Bass, 120 watts, (2) 18" speakers, excel cond. $225. 924-5973.

RUG - large oval braided, approx 12x15. $25. 475-4199.

TENT - 9x9 cotton waterproof, $25; game, Toss across, $4; (2) 15" wheels w/snow tires. $15. Ext. 7772.

GORDON SETTER - 3 mo, AKC reg, intelligent, obedient family dog. $150. Ext. 4098 or 281-8318.

UTILITY TRAILER - large factory made, must see. $200. Ext. 4452.

PLAYPENS - 2 each; carbed; BR78-13 tires, steel belted radials; 2 snows and 1 reg; 1 kitten. Sue, Ext. 2050 or 475-5834 after 6 pm.

VIEWER SLIDE - $3.50; elec coffee pot, $5; hair dryer, $5; Toss-A-Cross game, $5; easel artist, $5; elec mixer, $4. Susan, Ext. 4207.

OVEN - portable, elec, continuous clean, $18; range, oil/elec; Viking pop-up camper, heater. 325-1961.

BABY ITEMS - crib, high chair, changing table, all excel cond. 698-3856.

POLK AUDIO - studio monitor, loudspeakers, 30x14x9 w/stands. Reg $490, asking $385. Ext. 3170.

POOL FILTER - Hayward D/E, like new, $65; majestic wood fireplace, $100. Ron, Ext. 4082 or 289-1003.

FISH TANK - 30 gal, heater, gravel, light, stand, extras. $30. Call Tues and Thurs. Ext. 3319.

MATTRESS - twin size, firm, w/matching box spring, perfect cond, for guest room. $50. Ext. 4695 or 744-1917.

WATER PUMP - deep well, 1 hp., $65 or will trade for shallow well pump. Jim, Ext. 2957.

SOFA - gold crushed velvet sectional and red velvet chair and 5 ft Knight lamp. $250. Steve, 884-1945.

BONGO DRUM - authentic Haitian hand carved, 36" hi x 12" dia, $25; platform rocker, green vinyl, very good. $30. 281-7844.

TORO POWER - handle mower attachments. Ext. 2104 or 928-3863.

DINING ROOM SET - complete, 4 driftwood lamps, couch and chair. Ext. 2423.

HAIR BRUSH DRYER - 110v/220v, $10; car seat, $7; window fan, $7; Polaroid camera, $8. Ext. 3131.

HEATER - Sears portable elec baseboard heater, 1 yr old, 4' long. Orig cost $60, now $25. Annamarie, Ext. 2352.

BICYCLE - 26" men's, brand new, foot brake. $55. 231-3762.

WOOD STORM WINDOWS - 8 ea 32x50½, 4 ea 24x51½. $25. 475-8971 after 6 pm.

CALCULATOR - TI55 programmable type, w/instruction books, hardly used. $35. Ext. 7646.

BICYCLE - men's 10 spd, Schwinn Surburban, 23" frame, touring handlebars, new tires, excel cond. $75. 589-0643.

KEROSENE HEATER - Aladdin J280, new unit, still in orig ctn. Mfgs suggested retail price $159.95, asking $110. Ext. 3060 or 744-4787.

TRANSFORMERS - (2) charging type 9131, for TI pocket calculator, brand new. $5 ea. Zig, Ext. 7571 or 345-4893. Leaving on Oct 11.

YANKEE PLAYOFF TICKETS - best offer. 369-2151 after 6 pm, please.

SPRING HORSE - $12; day bed, $15; convertible baby carriage, excel cond, $25; elec motorcycle, ages 3-8, $20; bedroom set, all wood, $75. Carl, 281-7627 after 6 pm.

ANTIQUE BRASS - heat screen, glass door w/mesh curtain, fits 29-31h x 38-42w opening. $50; heavy duty coal/wood grate, $15. Bob, Ext. 4551.

ZOOM LENS - Tokina, 90-230 mm, Macro, fits Canon. $120. Tom, Ext. 3273.

TV - b&w 19", good. $35. Weekdays, Ext. 2840 or 3243.

BEDS - "Captains" w/3 built in drawers, $15; Hollywood/boxspring, frame, mattress, both twin size (38x72), $20. Andy, Ext. 2948 or 722-3168.

TENNIS RACQUETS - alum, new, grip and cover, $12; Spaulding wood Junior small grip, $8. Nick, Ext. 4701.

BED - Loftcraft king size platform bed w/headboard and mattress, disassembles, excel cond. $350. 744-5161 eves.

JET PUMP - new S&W ½ hp, tank and controls, $125; new 5 ft s/s sink top w/basin and faucet. $100. Pete, 475-0831.

FRANKLIN STOVE - wood burning only. $90. J. Skora, Ext. 3431 or 744-9677.

BICYCLE - girl's 20" Schwinn, 2 spd, saddle baskets. $35. Beitel, Ext. 4223 or 363-2101.

CLAXTON FRUITCAKE - dark or light, one pound logs or three pound box. Colleen, Ext. 2295.

SKI EQUIPMENT - head standard skiis, 2 prs boots, 2 prs poles. $85. Ext. 7542 or 744-0262.

TABLE SAW - Walker Turne Shaper 6" planer Jig Saw Craftsman 10" table saw, band saw. All, $500. 289-1026.

VERMONT CASTINGS - top exit, Defiant wood burning stove, 1 yr old. $500. 758-9058 after 6 pm.

FIREWOOD SPLIT - seasoned oak 4'x16'x18". $110. Delivered. 924-4284 or 924-3919.

RIDING MOWER - $325; kiln, $50; work table, $25; plants, tools, spredder, much more. 744-5034.

OSTER - professional standing dog dryer, used infrequently for 1½ yrs, like new. $75. Maria, 924-3756.

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

PACHOGUE - house w/3 apts, 2 rented near Bay, parks, pool, tennis courts, bus to village on corner. $44,000. 475-3632.

SHOREHAM - large 4 bdrms, 2½ bath colonial, wooded ⅓ acre lot on quiet street, 2 car garage, eik, fam rm w/fp, excel school district, low taxes, north of 25A. $62,900. 744-4787.

PATCHOGUE - 3 bdrm house, Roe Blvd, 2½ baths, large den, d/r, eik, spacious l/r, central a/c, 2 car garage, built in pool, fenced back yard, beautifully landscaped. 289-0556.

WESTHAMPTON AREA - mobile home, 12'x60', 2 bdrms, eik, stove, refrig, washer/dryer, laundry rm, 2 tool sheds, porch, patio, wooded landscaped plot. $11,500. 325-1112 after 5 pm.

CENTRAL ISLIP NORTH - 1 acre, hi ranch, 8 rms, 1½ baths, 24x28 sunken patio, possib e M/D, many extras. Bob M., Ext. 2514 or 234-8564.

MASTIC BEACH - 3 bdrm ranch, corner lot, roofed patio, pleasant location near water. Low 30's. 281-7531.

CENTER MORICHES - located on 2½ acres on Senix Creek, 4 bdrms, 2 baths, l/r w/fp, large country kit, attached 3 rm apt. $92,500. 878-0642.

BELLPORT VILLAGE - 3 bdrm high ranch, l/r, fam rm, den, large eik, att garage, deck, 1½ baths, short walk to Kreamer St school. $42,000. 286-8166.

BROOKHAVEN HAMLET - charming older home, S. Country Rd, 3 bdrms, window seats, 29' l/r, d/r, eik, 2 fp, screened porch, fin bsmt w/bar, new hot water system, 2-car garage, 0.6 acres, very low taxes. 8.5% mtg. 286-1056.

For Rent

MIDDLE ISLAND - furn rm(s) 12 min from Lab. A block from Spring Lake Golf Course. Priv entr, incl util, refrig, washer/dryer, cooking facilities can be arranged. 333-2640 Ext. 225 (days) or 924-7444 (after 7 pm).

MIDDLE ISLAND - house to share/room to rent, on quiet river, fish, swim, boating, golf across road. Non-Smoker. 924-3755.

BELLPORT - 1 furn 3 bdrm house in residential area, available now thru May. $500/mo, util not incl. 286-9725 after 6 pm.

MILLER PLACE - 3 bdrm unfurnished ranch, full bsmt, all appl, fenced yard, immed occupancy. $400/mo plus util. 744-0118 after 4 pm.

HAMPTON BAYS - cozy year round 1 bdrm house, fp, w/w, redecorated, reinsulated, no pets. Ext. 2802, 728-2104 after 6 pm.

BROOKHAVEN HAMLET - 3 bdrm ranch, garage, near bay, 10 mi to Lab. $350/mo plus security. Ext. 3381 or AT6-1024.

PT JEFF VILLAGE - 3 bdrm ranch, l/r, d/r, fam rm, eik, fin bsmt, furn beautifully, two yr lease desired. $675/mo. Ext. 4074 or 928-0829 after 6 pm.

BROOKHAVEN HAMLET - 2 bdrm house, l/r, w/fp, d/r, 1½ baths, w/w, garage, couple preferred. $400/mo. 286-8602 after 4 pm.

CORAM - 1 bdrm cottage, immed occupancy. $225/mo plus util. 928-5684, 698-0744 eves.

SHIRLEY - efficiency apt, furn, priv entr, util incl, excel location, 5 min from Lab and stores, mature working gentleman, security, references. 281-8044.

MIDDLE ISLAND - spacious furn rm in quiet home and neighborhood, some privileges, 15 min from Lab. 698-4622.

BAY SHORE - 3 bdrm house, l/r, d/r, eik, garage, bsmt, carpeting, fenced in yard, near mall. $400/mo. Ext. 3800 or 467-1763.

MIDDLE ISLAND - 5 mi from BNL, lg nice 1 bdrm apt to sublet, w/w, central heat and air pool tennis, club. $300/mo. 345-2437 or 924-7909.

WADING RIVER - 3 bdrm ranch, fp, w/w carpeting, washer/dryer, furnished or unfurn. 929-4885.

E. PATCHOGUE - 2 bdrms, eik, l/r, bath, priv entr, $285/mo with heat. Walt, Ext. 2913, Ext. 2907 or 698-0576.

SHIRLEY - 3 bdrms, 2 baths, fenced yard, all appl, no util. $325/mo. Ext. 3158.

Car Pools

WOODBURY/SYOSSET - 5th person for existing car pool from LIE-44. Stan, Ext. 7145.

CORAM/SELDEN - near Route 25 between Rts 112 and 83. Jay, Ext. 4994.

VANPOOL - from Miller Pl, Sound Beach, Rocky Pt, to BNL. Don, Ext. 3284.

HICKSVILLE/SYOSSET - Plainview area, driver needed for car pool. Jim, Ext. 3397.

PATCHOGUE - via Bellport, opening for paying rider in on-time car pool. Alyce, Ext. 2902.

BELLPORT - looking to join or form car pool 8:30-5:00. Residing at Country Greens Drive. George, Ext. 7654.

Wanted

WATER PUMP - shallow well. Jim, Ext. 2957.

MUSICIANS - especially strings, wishing to play in the Eastern Suffolk Community Orchestra. Contact: J. Elzinga, 929-8944 or J. Wall, Ext. 3372.

PIANIST - needed to play 10 min of classical music for prospective ballet publication. 744-0262.

CUB SCOUT UNIFORM - size 10 or 12. Ext. 3325.

HOUSEMATE - for 4 bdrm, 3 bathrm house in Coram. $155/mo. + ⅓ util. Ext. 2521 days or 928-8379 eves.

OLD MINERAL BOOKS - magazines, mineral specimens or collections. Plotkin, Ext. 4717.

BABYSITTER - for Monday and Wednesday mornings. Ext. 2357 or 924-3054.

TEACH ME JAPANESE - I'll teach you Eng, Frn, Span, and also Ind cooking. Ext. 3090 eves.

BABYSITTER - mature, responsible woman, 2½ yr and 4 mo old boys, 8:30 to 5:30, Mon thru Thurs, own transp, Shoreham, light housekeeping. Ext. 3064 or 821-0890 after 6.

HOUSE - to rent in Wading River or vicinity, 2 bdrm, year round, unfurn. 929-8982.

SOMEONE - to cut big tree, you may have the wood. 281-7844.

HOUSEMATE - for 3 bdrm house in Bellport. $150/mo + share util. 286-2271.

BABYSITTER - Nanny type to sit 1 child, my home. $25-$30/wk is all our funds allow. 732-3073 after 5 pm.

HOME - for 2 yr old, b/w male cat, beautiful animal, friendly. Sue, Ext. 2050 or 475-5834 after 6 pm.

SNOW BLOWER - 5 hp or bigger. Jack, Ext. 3354 or 298-4233.

BABY CAR SEAT - Strollee/Wee/Care, reasonable; also Cub Scout uniform shirt, any size/cond, need left front panel. Dennis, Ext. 4259 or 736-2534 after 6 pm.

COUCH - good cond. 281-2289 after 5 pm.

RIDE - from Queens LIE or from LIRR train sta where I can connect. Ext. 3128.

ROOMATE - responsible, non-smoker, share apt. 821-0285 after 5 pm.

INTERESTED PERSONS - for shopping spree to Reading, PA, via bus on Nov 8. Bea, Ext. 3571.

14" RIM - for 71 Buick. Irene, Ext. 2907 or 821-0692.

CALICO CAT - docile personality, beautiful, altered, yr old, house broken. Call 286-1592, Sat-Tues, daytime; or after 6.

Services

FLUTE - Clarinet, saxophone - professional instruction and repair, your home or my studio. 399-3381 eves.

LIMO SERVICE - luxury chauffer driven for proms, weddings, all occasions. 698-2266, 698-2268.

ODD JOBS DONE - take away old appliances, etc. Vernon, 878-2278 after 6 p.m.

LAWN MAINTENANCE - yard clean-ups, rear tines mulching, rototilling. Tony, 281-0350.

ASPHALT PAVING - and sealing. Bob, 475-4382.

CLARINET LESSONS - high school students w/8 yrs. of playing experience. Mike Elzinga, 929-8944 eves.

CLEANING - home, apts., office. For free estimate call 751-2350.

BABYSITTER - teenager will babysit; eves. or weekends, experienced. Gina, 929-4753 after 3 pm. or Lois, Ext. 2921.

Ads left out of this issue due to lack of space need not be re-submitted to appear in next week's issue. Please note that ads may not be more than 15 words long and must be received in the Bulletin office by 4:30 p.m. Friday, for inclusion in the following week's Bulletin.

Classified Ad Policy Deadline is 4:30 p.m. Friday for publication Friday of the next week.