



Howells

## Climbing Out Of The Rut

Reams of words have been written about why people climb mountains. To physicist Malcolm Howells, it is a pleasurable sport, it takes him to interesting parts of the world, there is excitement and risk and, "underlying a lot of it, is the wish to avoid the rut of a conventional suburban life."

Around the middle of June, he will fly from suburban Long Island to Pakistan and will make his fourth expedition to a Himalayan mountain. Howells, an Englishman, has been mountaineering for nearly twenty years and, in July with two English friends, will attempt Choktoi I (20,500 feet) in the Karakoram Range of the Himalayas.

Malcolm Howells is currently on the staff of the State University of New York at Stony Brook, and also holds a visiting appointment at Brookhaven. In September, when he returns from the expedition, he will join the scientific staff of the National Synchrotron Light Source where he will be concerned with the design of optical equipment.

Some laymen think, says Howells, that the biggest mountain is necessarily the most worthwhile mountain to climb. He disagrees. To a mountaineer, size is only part of the equation. A mountain should, of course, be of such a size and technical difficulty that it is challenging, he says, but it must also be a realistic possibility within the resources of manpower and money available.

For instance, no two or three man party has climbed Mt. Everest. So far, the hard routes on this mountain have been climbed by groups of ten to twenty climbers, with 40 or 50 sherpas, and budgets of hundreds of thousands of dollars. The Howells party will finance most of their expedition out of their own pockets, with about one-quarter of the total funding coming from the Mount Everest Foundation and the British Mountaineering Council.

The climbers' itinerary is formidable. Just getting to the mountain takes more time than climbing it. First, Howells and company will jet to Islamabad, the capital of Pakistan. From Islamabad, they fly to Skardu, the airport nearest to Choktoi I. Then they travel by jeep for about another 50 miles to a small community where they hire low altitude porters to help carry their gear on the 11-day walk to the base of the mountain.

In this particular case, the base of the mountain, or base camp, at around 11,000 feet, is reached by walking, not climbing. Howells says they expect to take one to two weeks to scale Choktoi I. Then, of course, they go through the whole procedure in reverse. In all, it will take them about two months.

The little airports in this region are not big on amenities. Howells says that after he climbed nearby Trango Tower in 1975, he had to wait for 13 days in a mud hut at the local airport before a plane arrived to fly him back to the capital. Visitors to the area during the fifties recall that, in those days, the departure lounge of the rural airport consisted of the fuselage of a crashed aircraft.

Mountaineers tend to get up and go to bed with the sun. In the Himalayas, Howells says, it is often a good idea to start climbing before dawn and stop before the snow gets soft. After about mid-morning, snow bridges over crevasses become unsafe

(continued on page 3)

It's More Than  
"Just Because It's There"

5-1196-78



The Trango Tower in Pakistan. According to Howells, this magnificent mountain at 20,500 feet is not large by Himalayan standards, but "it is very interesting and technically difficult." The small white circle indicates where his party in the photo below was bivouacked.

5-1199-78



Malcolm Howells (foreground) and other members of the British expedition which reached the summit of the Trango Tower in 1976. Here, the climbers are resting on a small ledge about 1000 feet from the top. The first British attempt in 1975 was unsuccessful.

## Vineyard To Speak At PINY Convocation

Laboratory Director George Vineyard will be the guest speaker at a special convocation on the afternoon of May 30, at the Long Island Center of Polytechnic Institute of New York. The event will mark the completion of the first four years of operation of Polytechnic's undergraduate school at the Long Island Center, located in Farmingdale.

"Research and Energy Problems" will be the topic of Vineyard's convocation address to the Long Island Center's first graduating class, parents and guests. He will discuss the nature of the Nation's energy problems, the limitations on what research can do and the contributions that research can make toward solving them.

At the convocation, Polytechnic will induct Vineyard as a Fellow of the Institute. According to a spokesman for Polytechnic, the recently established Board of Fellows "serves as a distinguished leadership corps for the 'new' Polytechnic. The Board of Fellows of the Institute consists of persons of high attainment in their fields of endeavor—alumni and friends of Polytechnic—who have shown by virtue of their interest in education their willingness to lend counsel and support to Polytechnic and to provide a bridge between Polytechnic and the community."

Also to be inducted as Fellows on May 30 are Winfield Fromm, corporate group vice president of Cutler-Hammer Instruments, and Edward P. Senne, president of Salonga Colonial Corporation.

The convocation program will include an academic procession and announcement of several student awards.

Polytechnic Institute of New York was created in 1973 by the merger of New York University School of Engineering and Science into the Polytechnic Institute of Brooklyn. It serves over 4,500 students annually at its three campuses—the Long Island Center in Farmingdale, the main campus in downtown Brooklyn, and the Westchester program in White Plains. The Long Island Center began as a research and graduate education facility in 1960; in 1974, an undergraduate engineering program was opened there. Current undergraduate enrollment at the Long Island Center is about 500.

## Biology Symposium At BNL Next Week

Over 100 scientists from universities and laboratories all over the world are expected to attend the 30th Brookhaven Symposium in Biology, to be held at the Laboratory from Tuesday, May 30 to Friday, June 2.

The topic of this year's conference will be photosynthetic carbon assimilation. The main focus is on ribulose, 1,5-biphosphate carboxylase/oxygenase—an enzyme found in plants, which fixes carbon dioxide from the air in organic compounds.

Twenty-two invited papers will be presented during the four-day symposium, and there will also be a poster session for relevant contributed papers. A special round table discussion on Thursday night will concentrate on long range research planning in carbon assimilation.

Scientists attending the symposium will come from all over the United States and from other countries including Denmark, Sweden, England and Germany. In between the conference sessions, they will be treated to tours of BNL's research facilities and departments.

All sessions will be held in Berkner Hall, and there is no registration fee for Brookhaven staff. Conference information is available from the Biology Department at Ext. 3415.

The symposium is an annual activity of the Biology Department. Members of the 1978 symposium committee are Harold W. Siegelman (chairman), Harold H. Smith, Benjamin Burr, and Geoffrey Hind.

## Retiring on May 31

**Frank J. McKay**, a Driver with Supply & Materiel, has been at the Laboratory since July 14, 1959. Around June 1, he will leave Long Island for Englewood, Florida, where he now plans to live.

**Budd S. Pollock**, a Technical Supervisor in the Safety & Environmental Protection Division, came to Brookhaven over 30 years ago, on May 19, 1947. Always a person with many projects, he expects to be even busier now and, among other things, will study music and return to school at Stony Brook to take courses for his own pleasure.

**Martin Van Lith**, General Communications Clerk in Staff Services, joined the Laboratory on March 21, 1960. He will leave immediately for his house and 30 acres in Pittsboro, North Carolina, where he says there is a great deal of work waiting to be done.

—photos by Rosen



Frank J. McKay



Budd S. Pollock



Martin Van Lith

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5-358-78

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## Student Science Congress

David Koopman of the Newburgh Free Academy, Newburgh, N.Y., was the winner of the Brookhaven summer internship at the 27th Annual Science Congress, presented by the Science Teachers Association of New York State at the Laboratory last week. His project was "Interactive Fortran De-Bugging." Other high honor winners were Sharon Montgomery of the Royalton-Hartland Central School, Middleport, for "Stonehenge Examined" and Craig Todd Basson (at left) of the Roslyn High School, Roslyn, L.I. for his presentation on the "Restorative Effects of Varied Dosages of Testosterone Replacement on Prostatic Epithelium in the Castrated Rat."

The Brookhaven staffers who judged the 27 entries are above, from left to right, Per Dahl, Glenn Price, Alfred Lewandowski, Richard Dodson, John Mills and William Graves.

## Fuel Cell Pioneer To Give Seminar

Francis T. Bacon, the pioneer of the modern phase in fuel cell research and development, will speak at Brookhaven on May 31 on "The Fuel Cell: Some Thoughts and Recollections." The DEE Seminar is scheduled for 2 p.m. at the Physics Department Seminar Room.

Bacon started work in the 1930's to develop a hydrogen-oxygen fuel cell using inexpensive, non-noble metal catalysts (nickel anode, lithiated nickel oxide cathode) which operated at moderate temperatures and pressures using an alkaline electrolyte (potassium hydroxide). It was fully developed into a multikilowatt generator by 1952. Bacon used electrodes with a double porous structure to stabilize the reaction zone gas/liquid/solid interface through gas pressure action and balancing capillary forces.

The Bacon fuel cell concept was used by Pratt and Whitney in the successful development of 2 kW hydrogen-oxygen fuel cells which were used in the Apollo space flights to provide the auxiliary power re-

quirements for the astronauts. More recently, the United Technologies Corporation has developed 12 kW hydrogen-oxygen fuel cells for the Space Shuttle Program.

Alkaline fuel cells are also being currently considered for terrestrial applications - standby power operation, waste hydrogen utilization, power sources for electric vehicles and, if the CO<sub>2</sub> removal problem is solved efficiently and economically, for large-scale power generation by electric utilities.

During the current year, the Department of Energy is sponsoring several fuel cell programs at a level of \$35 million for research and development of first generation (phosphoric), second generation (molten carbonate) and future fuel cell systems. The main advantage of fuel cells is that it is the only energy conversion system which transforms the chemical energy of fuels directly to electrical energy, thus not being subjected to the limitations of the second law of thermodynamics.

## In Rehearsal

The BERA Theater Group will present Christopher Fry's English translation of Jean Giradoux's play "Tiger at the Gates," on June 9, 10, 16 & 17, at 8:30 p.m., in Berkner Hall.

In 1935, Giradoux's play was produced in Paris under the title of "La Guerre de Troie n'aura pas lieu" (The Trojan War Will Not Take Place). Four years later its thesis that war is inevitable was substantiated by the outbreak of World War II. The tiger crouching outside the gates of Troy is destiny waiting to spring at the crucial moment.

Within the gates, the names of the people made famous by Homer are still the same, but Giradoux has altered their characters. Helen is now an empty-headed, although still beautiful, courtesan. Paris is a perennial playboy who cannot resist stealing Helen. Under Giradoux's hand, they are not tragic figures.

Tickets will go on sale May 30 in the cafeteria at lunchtime. Admission is \$3.00 for employees and guests, \$2.00 for those over 65 and under 18. For further information, call Sharon Smith on extension 3995.

## Safety Glasses

The optician for safety glasses will not be available on Tuesday, May 30.

## Arrivals & Departures

### Arrivals

Sylvia S.H. Chiang ..... Fiscal  
John G. Frezzal ..... Plant Engr.  
William B. Jensen ..... Plant Engr.  
Walter J. Mason, Jr. .... Plant Engr.  
Cynthia L. Shields ..... Contr. & Proc.  
William J. Wetzel, Jr. .... Contr. & Proc.

### Departures

Elizabeth E. Gilbert ..... Physics  
June A. Polistina ..... Supply & Materiel

## Pool Closings

The swimming pool will be closed on May 29, 1978 for the Memorial Day Holiday.

The swimming pool will also close at 7:30 p.m. on June 14th, for Lifeguard Training. The pool will re-open at 11:00 a.m. on Thursday, June 15th.

## Tea And Sherry Party

Last week the Hospitality Committee's Tea and Sherry Party marked the last get-together of the season. In the center picture, chairpersons Pat McKenzie-Wilson (left) and Ginny Thien (right) admire the gifts presented to them for their services over the last two years. In the fall, Jane Love will preside over the Hospitality Committee's activities. Among the 300 women present were Helene Volat-Shapiro (far left) and, at far right, Polly Van Horn with Kyoko Nakahara.



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5-1266-78

5-1267-78

# BROOKHAVEN BULLETIN

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## It's Hustle Time

5-1265-78



Paul Akins flourishes tickets for the BERA-sponsored Brothers of BNL dinner dance on June 3. Helping him to promote the big event are Rochalle Nash (foreground) and Sandra Saunders. The Jack Sass Band will play from 9 p.m. to 1 a.m. During band breaks and after 1 a.m., a disc jockey will spin records. The charge for the evening's entertainment and a buffet is \$10 per person. Tickets are available from any of the following:

Accelerator .....	Helen Keeley	Medical .....	Jackie Larrie
Applied Mathematics .....	Mary Cooper	Physics .....	Melody Howard
Biology .....	Ruth Wright	Safety & Environ. Protect. ....	Sandra Saunders
Dept. of Nuclear Energy .....	Frances Scheffel	Staff Services .....	Joan Perullo
Director's .....	Janet Sillas	Supply & Materiel .....	Marge Weltz
Fiscal .....	Jo Gazzola		

## Runners Corner

The loudest sound heard on the island on Sunday May 21 was the sigh of relief breathed by the hardy organizers and their stalwart helpers as the last of 440 racers departed from the Spring Running Races at BNL. They left behind them course records in the 5 and the 20 km races, 1500 empty cups, and a very successful event. The weather cooperated in perhaps too good a fashion, the high temperatures presenting problems for some runners in the longer events. A water spray set up by the firemen was most welcome, as was their prompt emergency service. The lab security forces headed by Capt. Berretta did a very efficient job with traffic control and providing many essential services. The BNL Radio Club was present to aid in directing runners and reporting conditions on the courses. The BNL Roadrunners wish to thank all these groups for their generous assistance. Many individuals provided necessary help, making this a lab wide function.

In the 20 km race more than a minute was taken off the course record by Chris Webber who finished in 68 min 24 sec. Elaine Landry (DEE) won the women's overall division with a BNL women's record time of 102:05. Anne Nauman (Bio) won the women's over 50 age category to complete BNL honors in this event. Dick Fuller (DNE) was the first BNL finisher, taking sixth place in 77:46.

The 10 km event was won by Craig Araujo in 34:55. The women's division was won by Kathy McIntyre in 42:21. BNL honors went to Don MacKenzie (DEE) who won the men's over 50 age category. The first BNL finishers were Jim Guppy (DNE) in the men's and Laura Sbarra (Med) in the women's division.

A course record was also established in the 5 km race when Steve Moorman completed it in 16:18. The winning women's time was 19:31 by Karen Fernandez. BNL age category winners were Bill McMahon (son of Tom McMahon DEE) in the under 12 age group, Susan Phillips (daughter of Jack Phillips Reactor) in the female 16-19 year group, Alina Commerford (wife of Lew Commerford Med) in the women's 40-49 year group, and Bob Phillips (Phys) in the men's over 50 age category. The first BNL finishers were Helen Duggan (wife of John Duggan PE) in 41st place and Richard Ehrenkauffer (Chem) with a 22nd place finish.

Complete race results will be mailed to all finishers with the certificates, and additional info will appear in the next Runaround, especially more acknowledgments for services rendered.

All runners are invited to participate in the WEEPLE DAY race on Sunday May 28. It is a 5 mile course starting at the Belle Terre Community Center on Cliff Rd. in Bell Terre. Registration ends at 8:30 a.m. with the race starting at 9:00 a.m. More information may be obtained by calling Dan Cornish at Ext. 3267.

(See page 4 for other activities)

## Climbing Out Of The Rut (Cont'd)

and avalanches more likely. Because of the effort of carrying equipment, they dump portions of it on the way up, and consequently their camps get less and less comfortable. The last 2000 feet is typically done in a single push, says Howells. This means with no further camps. Cold and exhaustion are the main problems on the final leg of the ascent, but considerable protection is afforded by special clothing and good sleeping bags.

High up in the Himalayas, if an accident were to befall a member of the team, the only way to get help is for the injured person to be carried down, either to base camp, or even lower, so that a helicopter can get in. However, says Howells, the most common problems afflicting mountaineers are dysentery, diarrhea and other intestinal problems caused by drinking contaminated water.

Howells' interest in climbing took root when he went with a youth group at age 17 to a place called Harrison's Rocks, outside London. He has been climbing ever since. As an undergraduate at Oxford, he took trips to various rockfaces in Britain and, in particular, spent a lot of time climbing in North Wales. In the Himalayas, he climbed an unnamed peak of 21,500 feet in Nepal (1974), the Trango Tower in Pakistan (1976) and made an unsuccessful attempt on Flat Top in India (1977). Howells has also climbed in the Scottish Highlands, the Alps and Yosemite National Park.

Although some mountain climbers plant flags when they reach the summit, Howells says that among his friends it is generally not the practice. They take photographs of the view from the top, a view that could not be seen in any other way than by a person standing on top of a mountain. He has photographs from his other explorations and, this summer, he expects to add to his collection the spectacle observed from the crown of Choktoi I.

## Cafeteria Menu

Week Ending June 2, 1978

Monday, May 29 - Memorial Day

Tuesday, May 30

Corn Chowder	cup	.30
	bowl	.40
Beef chop suey on rice		1.20
Scrambled eggs, sausages & fr. fr.		1.10
Hot Deli - Pastrami	on bread	1.15
	on roll	1.25

Wednesday, May 31

Cream of potato soup	cup	.30
	bowl	.40
Braised meatballs à la mode w/buttered noodles		1.20
Special Davy Jones fish fry w/cup of soup, plain jello, sm soda, coffee or tea	(+ tax)	1.87
Hot Deli - Corned beef	on bread	1.25
	on roll	1.35

Thursday, June 1

Beef noodle soup	cup	.30
	bowl	.40
Cheese ravioli w/1 veg		1.10
Roast chicken w/stuffing & 1 veg		1.20
Hot Deli - Italian sausages & peppers hero		1.25

Friday, June 2

Fish chowder	cup	.40
	bowl	.50
Spaghetti w/clam sauce		1.10
Breaded pork chop & 1 veg		1.40
Hot Deli - Smoked tongue	on bread	1.15
	on roll	1.25

## Holiday Notices

The Center Club will be closed Sunday, May 28, the day preceding Memorial Day. However, it will be open on Monday evening, May 29.

The Cafeteria will be open from 9:00 a.m. until 2:00 p.m. on Saturday, Sunday and Monday, May 27, 28 and 29.

The Vended Food Service in Building 912 is in operation continuously.

The Post Office will be closed on May 29.

The Bank will be open on May 29 and closed on May 30.

## New York Train Trip

The Hospitality Committee is planning a group railroad trip to the city on Wednesday, June 7, 1978. Departure will be at 8:32 a.m. from the Patchogue LIRR station. Round-trip fare for adults is \$2.45, children under six years ride free.

Reserve a ticket by sending your fare through the U.S. mail to P.O. Box 322, Upton, New York 11973, no later than Thursday, June 1. Make checks payable to "Brookhaven National Laboratory." Your tickets will be given to you at the train station. Refunds will be made only if cancellations are received by the Friday preceding the scheduled trip.



About 40 children enthusiastically participated in four fun runs set up especially for them at the BNL Spring Running Races.

—photo by Micheal Le Vine

## Selected Reading

New Sci. 78, May 4, 1978  
Protest by conference. B. Spaulding. 288-9  
Three-lap race to Stockholm. N. Wade. 301-3  
Black hole explorer. I. Ridpath. 307-9

# BERA Notes

## Skin And Scuba Diving

Plans are being made to offer BNL employees and their dependents (14 yrs. and older, 12 and 13 yrs. with a parent taking the course) in skin and scuba diving. The instructors of the classes are from The Port-hole Scuba Diving Center and are fully certified by NAUI, PADI, and the YMCA.

Classes will be held on Saturdays with a tentative starting date of June 3rd if a minimum registration of 10 students is met. The classes will consist of eight indoor sessions at the BNL Pool, and three open water classes at local dive sites. Lecture topics will include all types of equipment, diving physics, diving physiology, repetitive diving, planning a dive, and diving first aid.

A medical release, signed by a family doctor will be required at the time of registration. Students will be requested to come to the first session equipped with a bathing suit, towel, writing material, and the registration fee.

<b>Cost per student:</b>	
Registration Fee	\$30.00
Certification Card	5.00
Textbook	10.00
<b>Rental Fees</b>	
Tank, Regulator & Pack	40.00
Wet Suit (3 sessions)	8.00
Buoyancy Compensation	8.00

All those interested in taking the course are asked to call the Recreation Office, extension 2873, as soon as possible.

## Tennis Ladder

It's time to begin a new tennis season. Ladder play in men and women's singles will begin on June 1. All interested players should sign up now.

The sign-up sheet and a copy of the rules are on the bulletin board in the BERA Office in Berkner Hall. For further information about ladder play, contact Tom Luhman (Ext. 3535), or Georgia Irving (Ext. 2318). Everyone is welcome - we want to have a big ladder this year.

## 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.

649. RIGGER'S ASSISTANT (2 POSITIONS) - Plant Engineering Division.

650. TOOL & INSTRUMENT MAKER GROUP LEADER - Central Shops Division.

651. DRIVER (2 POSITIONS) - Temporary (June 5, 1978 - Oct. 1, 1978). Plant Engineering Division.

652. LABORER (2 POSITIONS) - Temporary (June 5, 1978 - Oct. 1, 1978).

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

653. SENIOR DESIGNER - Requires AAS or equivalent and extensive background in mechanical design and fabrication techniques. Experience in vacuum systems and structures desirable. Accelerator Department.

654. TECHNICAL SPECIALIST - Requires AAS degree or equivalent in electronics and experience in minicomputers, microprocessors, and digital logic development. Background in hardware fabrication, assembly, design checkout and documentation update desirable. Applied Mathematics Department.

655. TECHNICIAN (WEEKLY OR MONTHLY) - AAS or equivalent in electronic technology and demonstrated ability to develop, maintain, and repair electronic, electro-mechanical, and radiation monitoring instruments. Safety & Environmental Protection Div.

656. PATROL OFFICER (TRAINEE) - Rotating shifts. Safety & Environmental Protection Division.

## Bicycling

Ten BNL staff or family members enjoyed a memorable spring weekend on the third annual bicycle tour of eastern Suffolk County (TOES). The group consisted of about 90 participants representing seven cycle clubs from Long Island and New York City. Departing from the Suffolk County Offices in Yaphank on Saturday, May 20, the group covered about 58 scenic miles along the south shore, and Fire Island; continuing on the South Fork to Sag Harbor, where the cyclists boarded the ferry for the overnight stay at the Chequit Inn on Shelter Island. The return leg on Sunday covered about 50 miles along the North Fork from Greenport.

Representing BNL were Tony Greenhouse, Bob Monaghan, Ben Peierls, Dejan Radeka, Steve and Laura Rowley, Ed Thieberger, James Watson and Daryl Walsh.

Owing to a conflict with the public tours at the Laboratory which start at 10:00 a.m., it is necessary to start the 16.5 mile bicycle race on June 4 at 8:15 a.m. sharp. The two-lap, 33 mile event is cancelled. Registration for the single lap race is from 7:45 a.m. Forms for advance registration can be obtained from Gerry Morgan, Ext. 4841, Bldg. 815. We sincerely regret the inconvenience to all concerned.

## Volleyball Mixed League

The Women's All-Star Game was played on Monday, May 22. Division A All-Stars shone over Division B All-Stars: 15-1, 9-15, 15-2.

Division A team included: Bonnie Biittner, Kristen Chung, Diane Grady, Carolyn Henck, Sandi Lane, and Betsy Schumejda.

Division B team included: Cheryl Beckwith, Lindora Boyd, Laura Genovese, Jackie Have, Pat Oster, Kathy Pagonis, and Becky Sutter.

Ken Sutter did another spectacular refereeing job.

## Autos & Auto Supplies

71 YAMAHA - 350 cc, minor work needed, reasonable, 363-7032.

72 MAZDA - P/v w/cap completely rebuilt engine w/300 mi, \$1300, Tony, Ext. 4046, 288-3535.

AUDIOVOX - Radios, CB's, speakers, antennas, new, rebuilt radios, CB's below wholesale, with factory warranties, Raymond, 589-3485 after 5.

61 FORD - Falcon, running, needs water pump, good tires & brakes, 6 cyl, 3 spd std, Bob Kiss, Ext. 4278.

74 DATSUN - Truck w/cap, excel cond, automatic, A/C & stereo. New w/w tires, 298-5141 after 6.

AM CAR RADIO - To fit Volvo 122 model, \$500; Ford starter motor, \$15, Frank, Ext. 3898, 799-4896.

VW CONTAINER - Windshield washer pressure container, \$2, Frank Kainz, Ext. 3898.

64 MG CONVERTIBLE - Needs body work, best offer, Jack, 298-4263.

77 VW RABBIT - 2 dr, 4 spd, air, AM/FM stereo cassette, four lights, \$4,000, Gerry, Ext. 2963, 924-5089.

75 FIAT - X19, conv, AM/FM, 8 track, good cond, runs excel, \$2,250, 589-6151 eves.

METRIC SOCKET SET - (21) pcs, also metric box end wrench, (6) pc. 6x8 to 22x24, both \$10, 475-4844.

72 OLDS - Toronado, ps/pb, a/c, loaded, 69,000 mi, new rubber & front brakes, excel cond, \$1,650, 928-3088.

73 M.G. MIDGET - Good cond, AM/FM, 65,000 mi, \$1,250, 727-7354, after 6.

70 MUSTANG - 6 cyl, 3 spd, std, good tires, mounted snows, new exhaust system, \$800, Pete, Ext. 3868 or 878-1225.

76 HONDA - Elsinore CR125M, many extras, excel cond, \$700; Mini-bike, 3 hp, new paint & motor, excel cond, \$75, 744-3289.

71 TOYOTA - Corona, 4 dr, recently tuned & good running cond, new tires and new parts, \$525, Frank, 281-4179.

68 CHEVROLET - Bel-Aire, 4 dr, runs, \$200, Fred, 585-4741.

NEW & USED TIRES - Rims, repairs, reg, radial, mag wheel service, Dunlop-Michelin, FREE instal, balance avail. Fred Usack, Ext. 4597 lunchtime or 475-4935 eves.

70 VW PARTS - Squareback, 2 good snows, 3 rims, etc, Craig, 935-5694 after 6 pm.

68 CORVAIR - Mint cond, 6 cyl, excel running cond, \$1,500, cream puff, 475-7499, after 5 pm.

64 VW BEETLE - Body needs paint, no dents, eng intact, but doesn't run, no reasonable offer refused, will trade for 12v auto bilge pump, 736-2728, 8 am to 8 pm.

## Children's Summer Rec

The 1978 Children's Summer Program begins on Wednesday, July 5 and ends on Friday, August 25.

Registration applications may be picked up at the BERA Sales & Services Office in the Cafeteria between 10:00 a.m. and 1:00 p.m. or at the Personnel Office Reception Desk between 8:30 a.m. and 5:00 p.m.

The On-Site Recreation Program is available for children of on-site residents only. It is held in the Recreation Building in the Apartment area on Monday through Friday from 9:00 a.m. to 11:30 a.m. and from 1:00 p.m. to 3:30 p.m. Evening events will be announced. There is a \$25 fee for the first child; a \$15 fee for the second child and a \$10 fee for each additional child.

The sessions will provide a varied program including instructions and play (group and individual games, arts and crafts, athletic activities). Special programs such as movies, contests, scavenger hunts, puppet shows, dances, etc., will be scheduled to add variety to the regular activities.

### Swimming Classes

Swimming classes are available for children of Laboratory employees only. Each child will be scheduled for one lesson a week. There is one participation requirement: a minimum height of 48". Classes will be held on Monday through Friday from 1:30 to 3:00 p.m. The fee is \$12 for each child, and children will also pay the daily admission fee of \$1 or present a season ticket.

### Other Activities

These activities are open to the children of Laboratory employees only. Special events at the swimming pool will be held each Friday from 3:15 to 4:30 p.m. On Monday through Thursday, between 3:30 and 4:30 there are various activities - tennis on the courts and basketball, badminton and volleyball in the gym.

## Annual Bowling Dinner

**Reminder:** Today is the last day to purchase tickets for the Annual Bowling Dinner, to be held at the Brookhaven Center, Friday, June 2nd. Price of tickets are \$1.00 for a bowler and \$5.00 for a guest. Contact Carol Beckner at Bldg. 477A.

## Bowling

### Championships

Surviving an early scare that the bar wouldn't be open, the BNL Bowling Championships got underway last Saturday. The winning team from each of the Laboratory's five bowling leagues were matched against each other to crown an overall champion.

Space will not permit all the details of this closely matched round robin event, but some of the highlights follow. Paced by C. MacDougall's 223 and R. Murgatroyd 200, the Purple and White League's "Good Guys" bowled the high team game of 1047. Other good efforts were K. Sherry 167, H. Keeley 168-170, M. Stoeckel 169, C. Beckner 171, C. MacDougall 192, B. Brehm 211, J. Cockrane 214.

Going into the last round, the Pink League's "Lickety Splits," the Green League's "Sparks" and the Red League's "Anachems" all had a shot at the title.

The "Anachems" edged the Black and Blue League's "New Horizons" by one pin in the last game to become Laboratory Champion for 1978. Congratulations to P. Klotz, E. Gill, C. Bachsmith, T. Prach, R. Wilson and L. Newman.

### Attention Women Bowlers

The Pink Bowling League is in need of bowlers for the Winter Bowling Season starting in September. The Pink League bowls on Tuesdays, at 6:00 p.m., at the Port Jeff Bowl. Experienced or not, all are welcome in our 80% handicap league. If you would like to join, or need further information, please call Marie Brenner, Extension 2456.

## Participation Awards

Effective May 30, 1978, BERA participation award qualification cards may be redeemed at the BERA Sales Office, Berkner Hall. The present requirement for a participation award is three cards. Rae Stelts of the Sales Office will take over responsibility for these awards, and inquiries may be directed to her, Extension 3347. Also effective May 30, the new hours of operation of the Sales Office will be 9:00 a.m. to 1:00 p.m.

SAIL - AMF Alcott sailfish, dacron sail, never used, red & white, \$60, 286-9659 after 5.

BOAT - '71 Aquasport hull, 60 gal gas tank, good compass, 221-4745 eves.

30' PACEMAKER - Express cruiser, '68, 210 hp Chrysler, \$5,500, 363-6583.

BUOYS - 5m styrofoam, good for lobster pot markers, .30 ea, Bill Espensen, Ext. 3992.

20' SEACRAFT - Cabin boat w/100 hp Johnson motor, both in excel cond, \$3,500, Pete, 286-0444.

18' MFG - Fiberglass bow rider w/60 hp Evinrude outboard. All on Holtzclaw trailer, Ext. 3432, 473-1620.

73 LUND - Fiberglass "V" hull, \$2,700, 15' w/'74 electric 40 hp Johnson, only 25 running hrs, trailer incl, orig owner, excel cond, 281-5025 after 5.

20' FLYING DUTCHMAN - Good cond, molded plywood hull, 4 sails & trapeze, extra hardware, \$800, Ken, Ext. 2008, 928-5875.

AVON - 5 man boat w/engine mount & oars, never used, save 25%, \$545, 286-3647.

### Miscellaneous

CONTENTS OF HOUSE - Furniture, TV's, radios, dishes, etc, May 27 & 28, 67 Woodhaven Dr, Sound Beach, Ext. 2926, 281-0268.

GARAGE SALE - Third Ave, Rocky Point, May 27 & 28.

YARD SALE - 99 Cedar Dr, Miller Pl, May 28 only, 9:30 - 4:30, misc items, Ext. 3609, 744-5871.

YARD SALE - 139 Ostrander Ave, Riverhead, May 27, rain date, Sunday, May 28, games, dolls, hardware, cameras, etc.

YARD SALE - May 27, 28, 29 & 30, 153 Route 25, Coram, for details: 732-3866.

GARAGE SALE - Sat, May 27, 9 am, antiques, glassware, furniture, misc, 31 Southern Blvd, E. Patchogue.

UTILITY TRAILER - Covered, U-haul type, good cond, 8'x5'x5 1/2', Ext. 3786 or 286-2889.

REFRIGERATOR/FREEZER - 10 yr old Philco, frost free refrig section, \$50 firm, Jerry, 475-5591 days.

FREE IRISH SETTER - Female, 2 yrs old, please give good home, 878-9192, after 7.

MOVING - Selling household items, furniture, winter clothes, books, scuba diving equipment, Gerry, Ext. 2963, 924-5089.

POOL LADDER - 3 1/2', \$15, pool vacuum attachment & hose, \$15, Frank, 799-4896.

RACQUET - Wilson T-3000 strung, medium 4 1/4, \$15, & Spaulding Gonzales strung racquet, med, 4 1/2, \$15, Ext. 2456.

SINK UNIT - 48" metal base, faucet, overhead cabinets, other odd pieces of furniture, beds, kitchen tables, etc, Bob, Ext. 3313, 331-3358.

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

**Miscellaneous**

65 COX TRAILER - Pop-up, new tires, good shape w/ built-in porta potti, Ext. 2964.

BOWLING TROPHIES - Approx 30 assorted. FREE to Senior Citizen or children's groups, etc, Ext. 3771.

GOLF CLUBS - Wilson, Sam Snead, Blue Ridge, 4 wds, 2 - 9, s/w, \$40, George Cornish, Ext. 4662.

ELECTRIC STOVE - 30" Hotpoint, avocado, works good, \$35, 744-5124.

DRAPES - 3 pr gold, 72x84, \$15; soapstone washtub; water filter, \$35, Claire, 281-2002.

RADIO & CASSETTE - Craig in-dash FM player, no speakers, \$35, Bill Espensen, Ext. 3992.

SURFBOARD - Bungler, 6'10", used twice, excel cond, \$125, 744-3289.

STEREO CONSOLE - 42" cabinet, AM/FM radio, 4 spd turntable & tape deck, excel cond, 475-1782.

LAWN MOWER - Good cond, electric, 2 yr old, \$30, Ext. 2590.

WALKIE-TALKIES - (2); Lafayette Dyna-Com 12's w/ charger stands, \$80, 281-4080 eves.

PING-PONG TABLE - Folding w/net, paddles, balls, etc, hardly used, \$45, Bill, Ext. 3992.

AIR CONDITIONER - Sears portable window type, 6000 BTU, \$50, Sam, Ext. 2018 or 981-8370.

SWIMMING POOL - 18' rd, new winter cover, oversized filter & yr old liner, \$125; Golf clubs & bag, \$25, Frank, 281-4179.

CHINA CLOSET - Victorian, oak, curved glass, 5 shelves, mirror, \$500, Sam, Ext. 2018 or 981-8370.

ELECTRIC PERCOLATOR - Faberware s/s, 2 - 5 cups, like new, \$12, 286-0932 or 286-3333.

BABY ITEMS - Baby crib, new cond; safety playpen; Sears dressing table; high chair, G.M. car set, all new cond, reasonable, 736-2728, 8 am to 8 pm.

TABLE - Wrought iron, glass top table, round, white, w/4 matching chairs, planter & occas table, \$65, Arnie, Ext. 4822 or 289-1870.

LEAF SHREDDER - 5 hp, like new, \$145; dual turntable, new Shure cartridge, \$75, Ext. 3688.

DIVING BOARD - For in ground pool, 10', like new, 286-8758, after 5.

WOOD DOORS - Inside & outside; moldings of all types, 1/2 price of stores, 281-6116.

STAINLESS LAB OVEN - 1' cu inside, 2' cu outside, controls to 600°F, like new, \$55, Ext. 4058, 286-0436.

CAMP STOVE - Two burner, gasoline, Coleman, \$13, Ext. 4058, 286-0436.

BEDROOM SET - 6 pcs, contemporary, excel cond, \$300, Pat, Ext. 3376.

FREE AIR CONDITIONER - Old time, you pick up, Ext. 4058, 286-0436.

CAMPER - Pop-up, sleeps 8, ice box, stove, portable heater, porta-potti, power converter, \$1,200, 585-3004.

LADDER - Heavy duty alum, extension 36', \$40, Rolf, 744-2083.

ELECTRIC STOVE - Admiral, 3RG2, white, 4 burner, oven & broil, needs one burner element 30"x25 1/2"x48", \$50, Earl, 821-0832.

LAWN MOWER - 21" Toro rotary mower, grass catcher, complete rebuild, \$100, Ext. 4547.

FREE PUPPIES - Beagle & Dachshund mix, available 1st wk of June, 281-7113.

COFFEE TABLE - \$4; double headboard, \$2, Ext. 2386, 924-3072 after 6.

MISC. FURNITURE - Couch, loveseat, chair, 2 end tables, coffee table, 2 lamps, dinette set (seats 4 people), 273-7931 after 6.

AIR PURIFIER - Electronic, Sears, \$50, shallow well piston pump w/22 gal glass lined storage tank, \$75, Dutch, 727-0092.

31" LAWSWEEPER - Montgomery Ward (pavement sweeper), incl tow bracket, \$15, Walt, Ext. 2907, 698-0576.

SHRUBS - Blue spruce, yews, azaleas & rhododendrons, various sizes & prices, can dig your own, Jim, 286-0024.

AIR CONDITIONER - 6000 BTU, Chrysler, air-temp, \$75, Bill Espensen, Ext. 3992, 298-4172.

CAR SEAT - Bobby Mac, brand new, 7 - 40 lbs, \$20; Caloric wall oven, gas, good cond, make offer, Jim, Ext. 3651, 928-8737.

PING-PONG TABLE - Folding on casters, net, paddles, balls, etc, \$45, Ext. 3992, 298-4172.

TV'S - (4) 19" B/W portables, tube type, need work, \$10 ea, or \$30 for all, Mike, 281-3460.

FIREWOOD - Split oak, \$65 a cord, Gene, 878-9141 after 5.

RIDING LAWN MOWER - "Reo," 584-5919, after 6 PM.

HOOVER HANDI-VAC - \$10.; Stereo record player w/amp & speakers, \$15., 281-4080 eves.

TYPEWRITER - Remington manual, good cond, \$20; RCA 20" portable bl/wh TV, \$10.; Changing table, \$2.; Coffee tables, \$3. & \$5.; Chairs, \$2 ea., Cookie, 286-1688.

RECEIVER - Marantz Model 226S, .08 T.H.D., 7 mos old, new cond, orig cost \$460., sale \$265., Ext. 4701 or 271-2877.

FREEZER - 20 cu ft chest, used 1 yr, \$200., (2) G.E. washers, 18 lbs, \$75. & \$125., 585-8420 after 4 PM.

BICYCLE - Woman's 5 speed, excel cond, \$50., Barry, Ext. 3370, 286-9035 after 5 PM.

LAWNSWEEPER - 36" w, \$10., good cond, Walt, Ext. 2907 or 689-0576.

SURFBOARD - Hobie Silver Streak, 7'6", very good cond, \$40., Ted, Ext. 4163, 286-0065.

GOLF CLUBS - Ben Hogan matched, reg set of irons & (4) woods, like new, \$125., Phil, Ext. 4717, 728-0273 eves.

TABLE & CHAIRS - Formica & chrome kitchen table & (4) chairs, good cond, \$20., Joe, 231-8479 after 6 PM.

KITCHEN SET - W/6 newly upholstered, blk, naugrahyde, chairs, \$65., (2) vanity milk glass lamps & shades, \$3./pc, 286-8890 after 1 PM.

RADIATORS - Cast iron, 4 tube (1) 18 section and (1) 20 section; reel mower, push type, 286-9658 after 5:30.

STRAWBERRY PLANTS - Also lily of the valley plants, (15) for \$1.; flowering outdoor cactus, .50 ea., 924-3066.

AIR CONDITIONER - Whirlpool, casement, 10,000 BTU, 115v, 12 amps, good cond, \$75., 286-8119.

COLOR TV - Console, \$60., Ext. 4232.

FREEZER - United 17.5 cu ft, \$150.; triple width 90" fiberglass aqua drapes, \$15.; 2 pr 63" fiberglass bl/wh flowered drapes, \$8. pr; 1 pr 45" bl open weave curtains, \$5., Carol, 821-9547.

DIVING BOARD - 10', like new, \$50., 286-8758, after 5 PM.

MOVIE PROJECTOR - 8mm, Dejur, auto load, zoom lens; Bell & Howell movie camera, triple lens, best offer, Joan, Ext. 2090.

WOOL RUG - Royal blue, 14 1/2x15, \$50.; 20" white bathroom sink, \$15., Carol, 744-8632.

ONE DAY SALE - May 27, 1-5 PM, hand printed stationery & hand carved wall plaques, 31 Nottingham Dr., Middle Island, Lucy, 924-8742.

PATIO DOORS - 6'x6'x8" single pane glass, \$50.; knife sharpener/can opener, \$6., Steve, Ext. 3469, 281-4371.

LAWN MOWER - 21" reel type, self-propelled, \$30., 653-5989.

FISHING EQUIPMENT - Garcia 5-star, 10' rod w/ Mitchell 402 reel, \$30.; Ski boots, Lange Pro's (size 9) \$30.; Golf shoes (size 9) \$10.; Panasonic portable (am/fm/psb) \$40., Rich, Ext. 4011.

FREEZER-REFRIGERATOR - 19 cu/ft Frigidare, good operating, need door seal, \$150., Phil, Ext. 4100.

SPEAKER COMPONENTS - Altec Lansing "Voice of the Theater" in walnut enclosures (2), \$300./pr, 281-4080 eves.

BAR TOP - Walnut formica, 10'1, 2' w, w/ledge, Stan, Ext. 4270.

BEDROOM SET - Dressing table, lrg mirror, chest of drawers, \$75., Ext. 2386 or 924-3072 after 6 PM.

SEWING MACHINE - W/cabinet, 30 yrs old, runs but needs adjustment, \$15.; Desk, formica top 36x18, attach lamp, metal base, 3 shelves, \$10. Folding ping-pong table w/paddles, \$20., Sam, Ext. 2018 or 981-8370.

RUG - 12'x15' new w/heavy backing pile, blue with brown, \$175., or best offer, R.G., Ext. 3080.

FREEZE DRIED FOOD - Camping food, (12) dinners, (2) veg, \$25, Mike, Ext. 2584.

FREE PUPPY - Rhodesian Ridgeback, 6 mo lod, female, very affectionate, good w/children, Larry, 286-1709.

MATTRESS & SPRING - 3/4 size mattress & box spring, excel cond, \$50 set; alum storm & screen door, 34" x80", Ext. 2447.

WALL HUNG SINK - Beige, Ext. 4255, 744-6794.

REFRIGERATOR - Old but good cond, good for garage or basement, approx 11 cu ft, \$25, Bob, Ext. 3313 or 331-3358.

BICYCLE - Ross, 26" compact, 10 spd, like new, \$50, Otto, Ext. 4605.

PANASONIC TV - 19" Bl/wh, portable, \$75; (2) upholstered chairs, new slipcovers, \$40 ea, Ext. 4058.

ELECTRIC STOVE - Welbilt, 30" w, 4 burners & lrg oven, \$45, 289-8253.

DEEP WELL PUMP - 1 1/2 hp jet, Sears, \$60, Ext. 4547.

RIDING LAWN MOWER - 5 hp, \$150; Alum folding table (new) 3'x6', \$30; Casco, red metal step stool, \$8, 325-1961.

EARLY GREY TEA - For discriminating tea drinkers, half price while they last, \$4/16 oz can, Rino, Ext. 2012.

**Real Estate**

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

**For Sale**

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

BELLPORT VILLAGE - 1/2 acre, 3 bdrm, 2 bath, 2 car garage, screened porch, attach greenhouse, many extras, \$47,500, 286-2724.

SHOREHAM - "Close to Lab," 3 bdrm, contemporary ranch, wooded 1/2 acre, carpet, a/c, appl & more, plus low taxes, \$33,750, 744-6772.

MASTIC BEACH - '62 rambling ranch on 100x156 landscaped property, country kitchen, fin bsmt, lrg den, \$42,000, Frank, 281-4179.

SETAUKET - 3 Village School, 4 bdrm, hi-ranch, ideal for m/d, or extra income, 2 1/2 yrs young, moving out of state, open for best offer, Martha, Ext. 3307, 751-8649.

RIDGE PLOT - 1.14 acre, 102' frontage x 480' depth, approx, ideally located, fully wooded on quiet residential locale, 924-3236.

ROCKY POINT - The Tides, 70' ranch on a beautiful treed 1/2 acre, 3 bdrm, etc, oak floors, fp, full bsmt, patio, priv beach, golf, fully furn or not, 45,000, Ext. 4605 or 744-6482.

SHOREHAM - 4 bdrm colonial, w/w carpeting throughout, 2 1/2 bath, laundry rm, 1 acre, chain link fence, many extras, \$56,500, 744-2821.

MASTIC BEACH - 2 bdrm ranch, lrg den/dining, paneled wood deck, 120x100 corner lot, s/s, full bsmt, low taxes, treed, new kitchen, \$28,000, 281-7763.

N. SHIRLEY - 3 bdrm, den, s/s, w/w, lrg L shaped, in ground pool, 5 min from BNL, Dick, Ext. 4313, 929-4551 after 6.

MASTIC BEACH - 4 yr old house, 6 rm, full bsmt, fenced, 80x125, 281-5498.

ROCKY POINT - 4 bdrm colonial, eik, 2 1/2 bath, fp, w/w carpeting, all appl, garage, wood deck, 1/2 acre, priv beach, 744-1156.

UP STATE N.Y. - 150 acres, surveyed, utilities, water, bldgs, good road frontage, reasonable, Ext. 3688, 363-7032.

CORAM - Dutch colonial, 3 bdrm, 2 1/2 baths, liv rm, fp, din rm, eik, one car garage, 1/2 acre beautifully landscaped, school district #11, 331-1640.

HEAD OF THE HARBOR - Custom farm ranch, 6 bdrm, 5 bath, 3 wood-burning fp, finished lower level, 2.48 secluded wooded acres, must sell, no reasonable offer refused, 584-6058.

MT. SINAI NORTH - 7 1/2 rm, 2 bath, custom ranch, quality constructed, semi-finished bsmt, garage, 1/2 fenced, treed, landscaped acre, 6 appl, carpeting, must be seen, \$40,990, owner 473-6633.

**For Rent**

VERMONT - Furn chalet, fp, Mt. lake/pond swimming, canoeing, fishing, woodland trails, nearby tennis, golf, riding, music festivals, summer stock, antiques, rent wkly/monthly, 757-5599 after 4.

SOUND BEACH - 2 bdrm, 2 bath, fp, wooden floors, lrg garage, 744-1733.

MASTIC BEACH - Studio apt, immaculate, cooking facilities, \$190/mo, Frank, 281-4179.

SHOREHAM - No of No Ctry, colonial, 4 bdrm, 2 1/2 bath, lrg eik, den, fp, full bsmt, ohw heat, elec range & 2 ovens, all appl, beach rights, patio, \$360/mo, plus utilities, (avail 7-15-78) 821-0832.

MASTIC - 2 bdrm apt, furnished, all utilities incl, \$285/mo, Ext. 3376.

POCONOS - Chalet w/sundeck near Lake Wallenpaupack, boating, tennis, swimming, hiking, etc, 289-2159.

CAMP IN NEW HAMPSHIRE - \$125/wk, sleeps 4-6, bring own linens, near lake, has bunk house for addl sleeping, \$25 extra/wk, Ext. 2470, 289-1608.

CORAM - 3 bdrm, furnished, summer home, available June 15 to Sept 4. Rent nominal & negotiable, 928-9448.

**Wanted**

BABYSITTER - For summer months for 8 yr old girl, on site/N Shirley area, 9 am - 3 pm, Norma, Ext. 4019, 399-2108.

HOME FOR KITTENS - (3) white, (2) spotted, Cindy, 289-8253.

AM/FM CASSETTE - In decent shape, prefer for in-dash install & reasonable, Eddie, 281-7200 after 5.

FILE CABINETS - Letter size, 2 or 4 drawer, suspension drawers, used or new, but reasonably priced, Bill, Ext. 2292.

BABYSITTER - For summer, (2) children, ten & six yrs old, on site or own transport, 281-4472, after 6.

SEWING - Hems & alterations, Sharon, Ext. 3312, 878-2591.

BABYSITTER - For summer mos, (2) children, five & seven yrs old, your home or mine, Ext. 2926, 281-0268.

DRILL PRESS - 1/2", Rod, Ext. 4805.

HOME FOR PUPPIES - Small mixed breed, black w/white markings, paper trained, 4 females, 2 male, Marie, 744-9383.

PRESERVING JARS - Dave, Ext. 3403.

HOME FOR CAT - 1 yr old pure white, male w/blue eyes, gentle & house broken, 929-4522.

ROUND SOLID OAK TABLE - Approx 48" dia pedestal bottom, claw ft, Pat, Ext. 4519.

FLUTE - Open hole, Germeinhart preferred, good cond, Janet, Ext. 2345, 929-8152.

**Carpools**

VALLEY STREAM - Wanted to form or join, S. Simmons, Ext. 4460, 561-2618.

L.I.E. EXIT #54 - Driver needed to complete 5 man carpool, 8:30 - 5:00 pm, Betty, Ext. 3699, 661-4086.

CENTEREACH - Join existing one or start new carpool, Florence, Ext. 3316.

E. PATCHOGUE - Need ride from Roe Ave daily, Harry, Ext. 2366 or 475-5604 eves.

**Services**

BABYSITTING - Call Anne, 821-1490.

ANTIQUA CARS - Available for hire, weddings, proms, etc, Mike, 821-3460.

CHIMNEY CLEANING - Spring cleaning time, will help by cleaning fp, boiler, oil burner, wood stove, chimney flues, 724-8897.

WOMAN FOR HOUSECLEANING - Experienced & reliable, references, adult home, 475-8658, after 6.

DRESSMAKER - Custom made gowns, dresses, suits, alterations, Catherine, 588-5476.

ROTOTILLING - Have an appointment made now for early planting, up to 1,000 sq ft for only \$18. Tom, 325-1033.

DRIVEWAYS - Resealed and weatherproofed, jet black attractiveness, .08 cent per sq ft. Tom, 325-1033.

AUTO ENGINES - Steam cleaned at home, one \$10, add'l \$7. Campers, boats, mobile homes, steamed or pressure washed \$1.50/lineal ft, waxing available. 281-1933.

TAXES - Prepared by tax consultant, your home or mine, reasonable. John, 732-2472.

FURNITURE STRIPPING - Varnish and paint removed, chairs caned, re-glued, and repaired. 924-8547.

CERAMIC TILE - And cement work, quality work at reasonable prices. Donald, 281-8848 or John, Ext. 3292.

RACQUET STRINGING - Quality stringing for tennis, badminton, racquet ball for less. For info, Cliff, Ext. 3514 or 585-6811.

PLUMBING - Need a plumber? Reasonable rates, quality work. 732-1913 after 5 and Saturdays.

ROTOTILLING - Free estimates, manure. Ken, 289-8212 eves.

SEWING - Hems and alterations. Sharon, Ext. 3312 or 878-2591 eves.

ROTOTILLING - The Troy-bilt way, gardens and lawns, deepilling. \$14.50 up to 20x40 area. 698-6335 (1-5).

SCUBA LESSONS - Summer is on its way, next course begins May 10, equipment provided. Steve, 281-5448.

AUTO BODY REPAIR - Reasonable. Call 878-8241 after 6.

TYPING - Reasonable rates. Pat, 924-4496.

BABYSITTING - Housecleaning, evenings after 5:30 some weekends, will also do cooking, lots of experience with children, 21 yr old female. Call Ext. 3005 after 6, Ext. 3561 during day, Karen Davis.

BABYSITTING - Evenings on weekdays. Call Noreen, 281-7873.

DOG GROOMING - Calling all schnauzers, poodles & scotties, do I have a summer haircut for you, \$9, Maria, 924-3756.

SMALL CAR REFINISHING - VW, Toyota, etc, bodywork included by inspection. Collision consulting, ins claims, handled, all work personally handled, Ext. 2546, 744-4047.

FURNITURE STRIPPING - Varnish & paint removed, chairs caned, re-glued & repaired, 924-8547.

HANDYMAN - All home repairs. 286-8758 after 5.

HOUSECLEANING - Woman avail, reasonable, Westhampton, Speonk, Quogue, E. Quogue, and Riverhead vicinity, call for appt. 288-6367.

AUTO BODY - Repairs and painting, only serious callers. Ext. 2546 or 744-4047.

ROTOTILLING - Southern Brookhaven area. 286-3377 after 6.

BABYSITTING - Rocky Point area. Anne, Ext. 3403.

SCUBA LESSONS - Summer is on its way! Next course begins May 10th, equipment provided. Steve, 281-5448.

BABYSITTING - Manorville, Moriches and Shirley. \$1/hr. Missy, 878-1847.

SEAMSTRESS - Make clothes and do alterations. Donna, Ext. 4430.

QUALITY REPAIRS - On the better imported automobiles, free pick up and delivery from BNL. 736-0656 eves.

SEWING - Hems and alterations. Sharon, Ext. 3312 or 878-2591 eves.

ASPHALT PAVING - Sealing, Bob, 475-4382.

HOUSECLEANING - Woman, experienced & reliable, references, adult home, call after 6, 475-8658.

ELECTROLYSIS COLLARS - \$2.50; 3" rudder buttons, \$2.50; sea strainers, hull plates, etc., Russ King, Ext. 3460.

CAR REFINISHING - Sm car refinishing, VW, Toyota, etc., body work by inspection, Ext. 2546.

CONCRETE & MASON WORK - Patio, walks, repairs, etc., Pat, 744-8425.

PAINTING - Reasonable rates, 286-8758 after 6.

SMALL CAR REFINISHING - VW, Toyota, etc., body work incl (by inspection) Ext. 2546 or 744-4047.

HOUSECLEANING - Experienced & reliable woman, ref, adult home. Call 475-8658 after 6.

ASPHALT PAVING - Sealing, Bob, 475-4382.

MOVER - Will move Nassau & Suffolk Counties, (5) boroughs & NJ. Contact Robert Glucksman after 6, 516-764-7453.

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

AEROLITE - Foam insulation, estimates. 289-0687.

BABYSITTING - My home. Anne, 821-1490.

ASPHALT PAVING - And sealing, Box, 475-4382.

FURNITURE STRIPPING - Varnish and paint removed, chairs caned, re-glued, and repaired. 924-8547.

ROTOTILLING - Established gardens, \$15; new gardens, \$18; new lawns, \$13. It cost no more than doing it yourself. Tom, 325-1033.

AUTO BODY - Repairs and painting, only serious callers. Ext. 2546 or 744-4047 after 6.

VINTAGE CARS - Available for hire for weddings, special occasions. Mike, 281-3460.