



Hail & Farewell To The Chief

Last week, the date August 31, 1975, appeared in green chalk on the lunchroom blackboard in Police Headquarters. Everyone knew what it meant. With saddened hearts, the members of the Police Group realized that Chief Adam Paskiewicz would be retiring on that date.

"Everyone was always asking me when I would retire, so I told them to keep an eye on the blackboard, and when I decided to retire, they would see the date," said the Chief.

Chief Paskiewicz has devoted 28 years to the Laboratory. He joined the Lab as a patrolman on July 7, 1947, and within a year he was made a police sergeant. He became a police lieutenant in 1950, a police captain, five years later, and in 1960 he was named police chief.

Prior to coming to the Lab, Chief Paskiewicz was a captain in the Corps of Military Police. He had been inducted into the army at Camp Upton on March 2, 1941. On the night of March 4, he was put on a train with other soldiers, bound for an unknown destination. When the train stopped, he found himself in Fort Benning, Georgia, where he was signed up with the 22nd Infantry.

He spent six years, four months in the army before going on terminal leave for two months. While on leave he decided to visit "ol' Camp Upton." He was surprised to find that it was no longer an army camp, but a scientific laboratory. "One of the guards at the gate asked if I was looking for a job," said Chief Paskiewicz. He applied and was accepted into the Police Group.

The Police Group has been through several changes since those days. Chief Paskiewicz explains that when he first came to the Lab, the responsibilities of the Police Group were 95 percent security and five percent police work, but with the declassification of material at the Lab, those percentages are reversed today. One of the most significant changes to face the Police Group has been the addition of four women within the last two years.

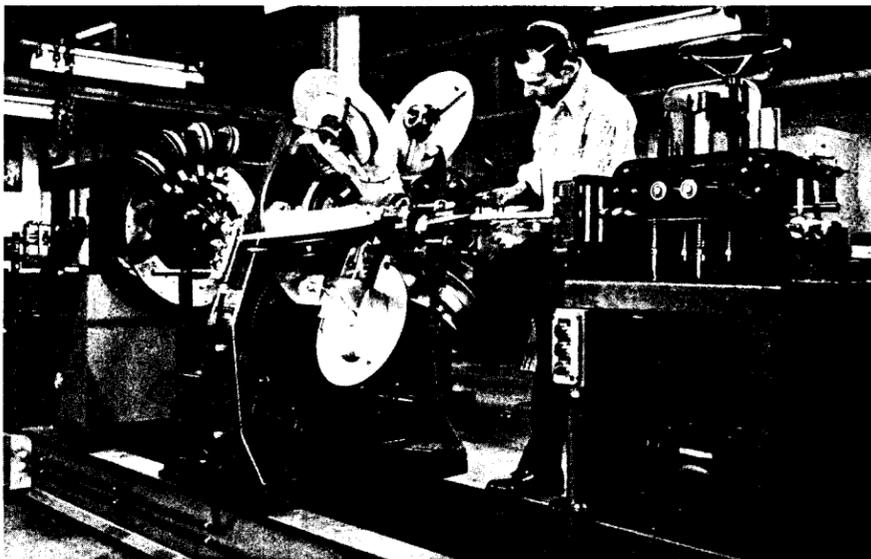
Eleven years ago, Chief Paskiewicz and his wife bought property on Lemon Bay in Englewood, Florida. Englewood, 105 miles south of St. Petersburg, is on a small peninsula jutting out into the Gulf of Mexico. It is here that they plan to build their home. With a building contractor already lined up, the Paskiewicz's hope to sell their home in Riverhead and be settled in their new home by the fall of 1976. When the time comes, they will dig up their roots and pack everything into a U-Haul and drive down.

The Chief has no lack of things to do in Florida. An avid fisherman and boatsman, he hopes to do a lot of both. He also plans to travel around Florida to visit the many friends he has living there.

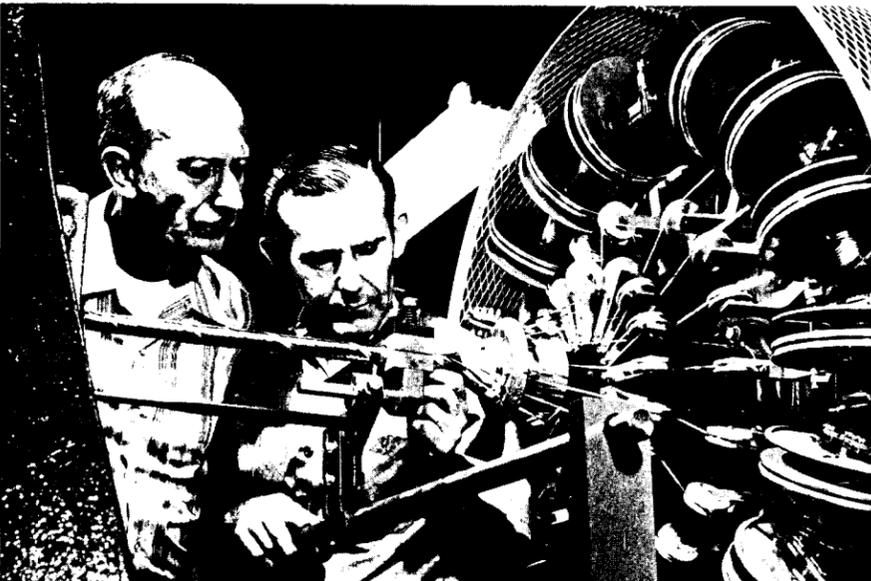
Besides holding a retirement party for him last night, the Chief's many friends and associates at the Laboratory signed a huge placard with his picture, for him to keep as a memento. With over 600 signatures to read, Chief Paskiewicz will have just one more thing to fill his time during the years to come.



Police Chief Adam Paskiewicz



Bob Kowalski with the newly constructed cable winding machine in the basement of building 815, the Molecular Sciences Division of DAS. The machine is an aggregate of three separate machines all working as one.



Kurt Minati (left) and Bob Kowalski prepare the cable winding machine to wind a superconducting cable.

Checking In The Right Places

What were two Brookhaven scientists looking for in junk shops across the country? The same thing that everyone looks for - bargains.

Kurt Minati, a mechanical engineer, and Gerry Morgan, a physicist, both of the Accelerator Department, made numerous phone calls across the country and searched several junk shops for used machinery in New York and Rhode Island before they found what they were looking for in south Brooklyn. Their specific mission was to find equipment that could be modified and used to wind superconducting cables for BNL's Power Transmission Project.

Amidst the clutter of used machinery, they came across a greasy, rusty machine which had been laid to rest at least 20 years ago. In its heyday, it was used to wrap wire armor around electrical cables. Minati and Morgan envisioned it wrapping niobium tin, a superconductor, around a central core to form superconducting cables. They also dug from the clutter, a machine that was once part of a drinking straw factory. As the straws were made, the Cat-A-Puller, as it was known, pulled them through the assembly line. Minati and Morgan imagined it pulling superconducting cables as they were wound.

With two of the major components in hand, they still needed one other which would wrap insulating tape around the cable. They discovered a company which had designed a prototype machine for applying electrical insulation, but the company had not developed it any further. When approached, the company agreed to rent it to the Laboratory.

When the three machines arrived at the Lab, they were turned over to Bob Zoller, a senior designer, who came up with the mechanical design for connecting them together into one synchronized machine. Following Zoller's design, it took Bob Kowalski, a mechanical technician, nine months to clean the machines and assemble them into one functioning unit, test it and learn to wind cable with it.

The machine is intended to wind relatively short sample lengths of superconduct-

ing cable. At first, it was used to wind copper ribbons onto rigid tubes and when this was successful, it wound superconducting ribbon. A one-meter test cable has been wound on the machine, and is being tested at superconducting temperatures to see how it compares with hand-wound cables. The goal for the future is to wind a 40 or 50 foot cable on the machine for more extensive tests.

When the Power Transmission Group is ready to build a large superconducting transmission line, it will have the cable made commercially. But for testing purposes, the group will continue to use the cable winding machine to produce short lengths of cable. "By testing the cable samples, we hope to learn enough to be able to specify what we want to industry," said Eric Forsyth, head of the Power Transmission Project.

Booming Ticket Sales - Fridays Still Open

Tickets are going fast for BERA's Very Special Event, four nights of dinner theatres and dancing in September. September 20 and 27 are sold out but there are still tickets left for the two Friday nights, September 19 and 26.

The Owl and the Pussycat, a merry, adult farce-comedy about education that has nothing to do with school, will be the first offering of BERA's Very Special Event on Friday, September 19. The show will be followed by dancing to the sounds of Chappy and his Chaps.

On September 26, the featured play will be I Do - I Do, a joyous recital of the lives together of a happily married couple. The M. J. B. Trio will provide dance music after the dinner theatre.

Retired employees, with blue cards, wishing to attend either dinner theatre should make prior reservations. Because of the nature of this event, they will have to pay for the dinner portion of the ticket. For ticket reservations call Blanche Laskee, Ext. 2877.

Foundation To Honor Vineyard

Laboratory Director George Vineyard and former New York Governor Averell Harriman will receive awards for their distinguished contributions to higher education at the second annual Stony Brook Foundation Awards Dinner. The dinner will be held on Friday, September 26, at Colonie Hill in Hauppauge.

An estimated 1000 persons are expected to attend the \$75-a-plate affair. According to Edward J. Gunnigle, Chairman of the Dinner Committee, the dinner "will provide much needed money to support the Foundation's scholarship and loan programs and many important university programs that cannot be funded by other means."

Four prominent New York State legislators will serve as Honorary Co-Chairmen for the awards dinner - Perry B. Duryea, Minority Leader of the State Assembly; Leon E. Giuffreda, Chairman of the State Senate Education Committee; Stanley Steingut, Speaker of the State Assembly; and Irwin J. Landes, Chairman of the State Assembly Higher Education Committee.

In addition, New York Governor Hugh Carey will make a personal appearance to present the award to former governor Harriman. Nobel Laureate C.N. Yang will make the award presentation to Dr. Vineyard. Dr. Yang, the recipient of the 1957 Nobel Prize in Physics, heads Stony Brook's Institute for Theoretical Physics which has many cooperative programs with Brookhaven.

The Stony Brook Foundation is a non-profit corporation, incorporated under the New York State Education Law to assist in the development of the State University Center at Stony Brook by encouraging and accepting gifts, endowments, scholarships, and loan support for needy students. The Foundation seeks support for university programs which cannot be supported by the state budget, and funds projects in the planning and initial stages of development. During the past decade, the Foundation has administered or served as fiscal agent for some \$4.5 million from private and public sources.

The awards dinner is being coordinated by a 36-person Dinner Committee, which includes BNL Assistant Director R.C. Anderson. Dr. Anderson is also a member of the Stony Brook Council.

Ticket reservations or further information about the dinner may be obtained by calling 246-3462.

SUNY/BNL Courses

Final registration for the Stony Brook/BNL extension courses will be held from 9:30 am to 12:00 noon, Wednesday, September 3, in the Radiation Division conference room (Bldg. 318, opposite the bank). Dr. Daniel Dicker, Director of the Stony Brook Postgraduate Extension Program, and Mrs. Esther Weitzman will be present to enroll and counsel students.

Courses to be offered at BNL in the fall term are: MSA 503, Complex Analysis, Wednesdays, Professor Beltrami; and MSA 570, Mathematical Statistics I, Tuesdays, Professor Schreiber. Both courses will be held from 5:30 to 8:00 p.m.

These courses are available to BNL employees, guests, and collaborators, and to a limited number of persons not affiliated with the Laboratory. Persons who did not pre-register should call Mrs. Weitzman, 246-5967.

5 From Long Island

The BERA Art Exhibit, featuring the works of five Long Island artists, will continue in Berkner Hall on weekdays, 11 a.m. to 2 p.m., through September 12. The exhibit will be open on the evenings of the Pegram Lectures, September 10, 11 and 12.

Polytech Program At BNL

The Polytechnic Institute of New York will offer a graduate program in nuclear engineering leading to the M.S. degree, commencing September 8, at Brookhaven National Laboratory. It will be available to Laboratory employees on the tuition refund plan, and to guests and a limited number of persons not affiliated with the Laboratory.

The first course this fall will be NU 301 Introduction to Nuclear Engineering I, taught by M.M. Levine, Department of Applied Science. Persons interested in enrolling in the program should contact Glenn Price, Ext. 3336.

Urpton?

Strange addresses come into the Post Office on site that confound and amuse the staff. Would you believe:

Mrs. Brookhaven Nat Labor
Att. Med. Dept. Lib
Upton, N.Y. 11973

This is the address of one letter that the mail room received from a magazine, with a subscription renewal and a form letter to Mrs. Labor. Another was a letter addressed to a staff member, c/o Brookhaven National Labor in Urpton. There may be a close resemblance of Urpton, Upjohn and Upton to Upton, but where is Utson, N.Y.?

Hospitality Committee

The Hospitality Committee will hold an evening get-together on Tuesday, September 16, from 8 to 10 p.m., at the Recreation Building in the apartment area.

Mrs. Geraldine Sheridan, Deputy Commissioner, Suffolk County Department of Consumer Affairs, will discuss the goals and work of her department. Many of you will remember the interesting morning we shared with Mrs. Sheridan last April. Her return engagement promises to be at least as interesting.

Spouses are invited; refreshments will be served. We look forward to seeing you at our final evening get-together of the season.

Trip To New York City

The next group trip to New York City will be on Wednesday, September 10.

Departure will be at 8:59 a.m. from the Patchogue LIRR station; any train to Patchogue may be used for the return trip.

Please note that the LIRR has raised fares and will now charge \$2.45 for the special roundtrip ticket. Children continue to ride free. (It's still a bargain.)

Sign up as early as you can by calling Rosemary Jewett, Ext. 3089, or Ruth Dimmler, 751-6342.

New Pool Hours

The swimming pool will be closed on Saturday, Sunday and Monday, August 30, 31 and September 1.

Starting on Tuesday, September 2, the schedule will be as follows:

Monday through Friday

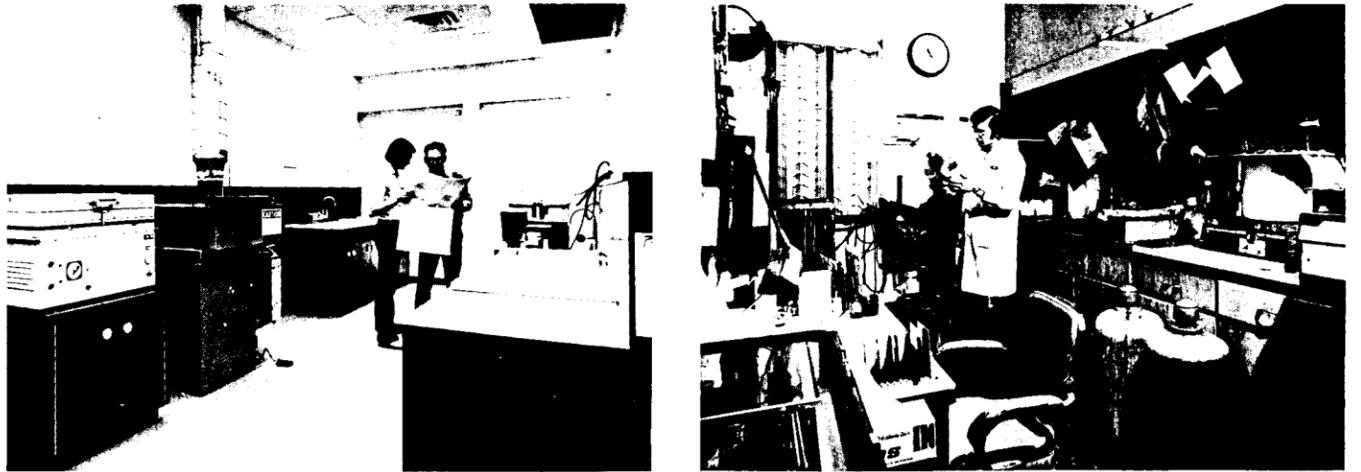
11:30 a.m. - 1:30 p.m. Employees only
5:00 p.m. - 9:30 p.m. Employees/Families/Guests*

Saturday & Sunday

1:00 p.m. - 6:00 p.m. Employees/Families/Guests*

Summer Pool Passes will be honored until September 30, 1975.

*Only one guest per adult BERA member may be admitted to the swimming pool at any one time without prior arrangements. Adult BERA members may arrange to have more than one but not more than five guests at any one time by making arrangements with the Recreation Representative in the Personnel Office in advance.



Zepmeisel (left) and Dmitri Stephani check blue prints in the new printed circuit lab.

Mike Zepmeisel in the old printed circuit lab before it was moved to a larger area.

Making The Hearts For Electronics

Most electronic equipment, from complex computers to tiny hearing aids, have one thing in common - they all contain printed circuit boards.

At a laboratory like Brookhaven, which relies heavily on electronic systems, printed circuit boards are found everywhere, in all sizes and degrees of complexity. The development of these devices has eliminated the need for masses of wiring in electronic hardware, by allowing the necessary wiring to be photographically printed on thin boards of copper-laminated fiberglass.

A majority of the printed circuit boards in use at the Laboratory are obtained commercially, but prototype, one-of-a-kind boards are made in the Instrumentation Division's printed circuit lab. Although Instrumentation is producing all kinds of printed circuit boards, it specializes in making unique and complex boards.

Printed circuit boards were first made in Instrumentation in the late 1950's by Dmitri Stephani. At first he made them exclusively for Instrumentation but soon branched out and began providing them for other groups at the Laboratory. Over the years, the demand for printed circuit

boards has steadily increased. Last year close to 2000 boards were made in the printed circuit lab.

Master drawings for printed circuit boards are either supplied by the user or are custom designed by Instrumentation's construction group, headed by Stephani. Depending on the complexity of the drawing, it can take anywhere from a few hours to a month to complete one.

Once completed, the drawing is photographed and the resultant negative is given to Mike Zepmeisel, the technician in the printed circuit lab. Zepmeisel places the negative on a well-cleaned, copper laminated fiberglass board which has been coated with a light sensitive emulsion. The board is then exposed to ultraviolet light. When put into a developer, the photosensitive emulsion is washed away except in the light struck areas, leaving only an image of the circuitry.

The board is then dipped into a blue dye which emphasizes the circuitry. The next step is to etch the board with ferric chloride before putting it into another solution which removes the dye and bares the copper cir-

cuitry. Depending on what is wanted, the board can either be left with copper circuitry or dipped into an immersion tin solution which coats the circuitry with tin. What has been described is the basic process for making printed circuit boards but the process can vary in complexity with the type of board being made.

The completed boards are then drilled and affixed with the necessary electronic components such as capacitors, transistors and integrated circuits. The value of printed circuit boards is that they can be reproduced rapidly and cheaply. The negatives are kept on file making it easy to duplicate a board at any time. If a large quantity of a particular board is needed, the negative or a copy of it can be taken to an outside contractor.

Until a month ago, the printed circuit lab was housed in a small room in the Health Physics and Instrumentation Building. According to Stephani, the small room became insufficient to meet the growing demand for circuit boards at the Laboratory. It is now in a larger, more spacious area which allows for even further expansion if necessary.

A Fractured Tale



Things are not all coming up roses in the Lab's Budget Office. Being understaffed for sometime, the Office hired two young senior budget analysts to help ease the work load. Two weeks after they joined the staff, Peter Bucci (right) came to work with a cast on his leg which extended over his knee. He had fractured his ankle sliding into second base during a softball game. Exactly a week later Phil McHugh (left) walked in the office with a huge bandage on his right ring finger. He is right-handed. He too had been playing softball the evening before and fractured his finger while fielding a ground ball. Needless to say, Budget Officer Hank Grahn has banned the two men from playing touch football and has limited their extracurricular activities to ping pong.

Special Holiday Film

Another holiday special awaits you at the BERA Sales & Services Office in the Cafeteria. The sale will take place today only from 7:30 a.m. to 5:00 p.m. Don't fail to drop in for your Labor Day weekend film needs.

Specials:

C126.12	\$1.05
C126.20	1.30
K135.20	1.45
K135.36	2.10

Remember too, if you buy film today your name will be placed in the box for the sweepstakes drawing to take place on Tuesday, September 2. The big prize will be a Kodak pocket instamatic camera, model 110.

Labor Day Food Service

At the Cafeteria the snack bar will be open from 9 a.m. to 2 p.m. daily on Saturday, Sunday and Monday, August 30 through September 1.

The Tap Room at the Brookhaven Center Club will be closed on Saturday and Sunday, reopened at 5 p.m. on Monday evening, September 1.

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

Upton Nursery School

Upton Nursery School is a co-operative pre-school for the three and four year old children of Brookhaven National Laboratory employees.

The children attend school two or three mornings a week and participate in a varied program including art, music, outdoor play, field trips, dramatic play and other activities that help prepare the children (in a fun way) for elementary school.

Our teachers are professionals and are assisted by one parent in each class at each session. Parents cooperate in the running of the nursery school which enables us to keep the tuition fee low.

If you are interested in enrolling your child or wish further information please call Nancy Bieber or Linda Lynn at 924-8329.

BROOKHAVEN BULLETIN

Published Weekly for the Employees of Brookhaven National Laboratory

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Cafeteria Menu

Week Ending September 5, 1975

Monday, September 1	
Labor Day	
Snack Bar 9 a.m. - 2 p.m.	
Tuesday, September 2	
Cream of Potato Soup	
Southern Fried Chicken & 1 veg.	1.10
Macaroni & Cheese & 1 veg.	1.00
Wednesday, September 3	
Split Pea Soup	
Tuna Noodle Casserole	1.10
New England Boiled Dinner	
Cup of Split Pea Soup	
Corned Beef & Cabbage	
Boiled Potato or Mashed Turnip	
Choice of Pie	
Small Beverage	\$1.87 plus tax
Thursday, September 4	
Chicken Noodle Soup	
Franks & Baked Beans	1.00
Salisbury Steak & 1 veg.	1.05
Friday, September 5	
New England Clam Chowder	
Broiled Red Snapper & 1 veg.	1.10
Roast Sirloin of Beef & 1 veg.	1.25

YOC Office Workers Out In The Sun



The members of the Office Practice Class of the Youth on Campus Program are: standing (left to right) Denise Johnson, Valarie Armstrong, David Gaskin, Christine Kolb, Jean Hulbert, Martha Acero, Adrienne Treadwell, Roxine Hale, Deborah Bell, Pamela Tardd and Andrea Epple. Seated (left to right) are: Celeste Taylor, Donald Gray, Mary Williams, Leslie Burwell, Anne Flood (instructor), Lynn Kalbach (instructor), Joanne Parker and Caryn Mizesko. Edward Burki was not present for the picture. The YOC Program ended on Thursday, August 28.

Touch Football Plans

The football season is here and after a year's absence, BERA would like to get its touch football program active once again. Tentative plans are to begin the season on September 4, with games being played on Mondays and Thursdays starting at 5:30 p.m. at the Recreation Park.

Past years' team captains are urged to try and field teams. Some of these captains are Tom Prach, John Schmidt, Bob Barone and Bob Casey.

Entry blanks will be available at the Film Service Office in the Cafeteria. If you don't know anyone who is forming a team and would like to play, you may form your own team by abiding by our by-laws or you may join our players' pool. Call Ed Taylor on Ext. 4126 for more information.

Deadline date for entries is Friday, August 29, at 4 p.m.

Classified Advertisements

Placement Notices

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

For further information regarding a placement notice, or to request consideration for an available position, contact Supervisor, Personnel Placement & Development, extension 2874 or 2882.

173. SECRETARY - Part-time position. Purchasing Division.

174. SECRETARY - AAS degree in secretarial science or equivalent with demonstrated ability for handling complex administrative and personnel situations. Director's Office.

175. DATA SERVICES ASSISTANT (TRAINEE) - Temporary position. Shift work. Applied Mathematics Department.

176. COMPUTER SCIENCE ANALYST(S) - Applied Mathematics Department.

177. TECHNICIAN - AAS degree in mechanical technology or equivalent to work on development and assembly of large magnets. Possible shift work. ISABELLE Division. Accelerator Department.

178. BIOLOGY ASSOCIATE - Temporary position. Biology Department.

179. BIOLOGY ASSOCIATE - BS degree in biology or equivalent with emphasis in marine biology. Experience with field sampling equipment and laboratory procedures highly desirable. Department of Applied Science.

180. OFFICE SERVICES ASSISTANT - Good clerical skills and a familiarity with library procedures. Department of Applied Science.

181. ELECTRICIAN (A) - Plant Engineering Division. Application Deadline: September 10, 1975.

Autos & Auto Supplies

71 VW BUS - Excel cond, new valves & muffler, am/fm stereo, radials, bed, curtains, paneling. Asking \$17/cc. Mike, Ext. 3390.

64 VW BEETLE - 1200, also assorted parts VW 1500, either or both, best offer. 286-0880.

72 MERC MONTEGO - Good cond, low mi. \$2000. 751-1912 eves.

64 CHEVY NOVA - Good order, new carb, new brakes, rebuilt trans. \$350. Sedgwick, Ext. 3395, after work Apt. 36A.

68 FORD STATION WAGON - Excel cond. Best offer. Ext. 4876.

70 CORVETTE - Gray, 4 spd, 390 hp. \$3700. Ext. 2238.

72 GREMLIN - V8, posi traction, 54,000 mi. \$1500. Ext. 3280.

71 VEGA - 55,000 mi, minor body damage, excel running. \$700. 281-0901 late eves after Sept 2.

TIRES - (3) 685-15"; (3) 650-13", take a look, we have what you want. 475-0144 after 6.

TIRE - 650-13". \$3. Susan, Ext. 3609.

2 TIRES - E78-14, \$20 each. 281-6130 eves.

72 PLYMOUTH - Sport Suburban, ps/pb/ac, excel cond. \$2100. 941-9294 after 6.

73 NOVA - 2 dr, 8 cyl 307, 3 spd, 26,000 mi. \$2300. 281-7844.

63 PONTIAC - 2 dr, good running cond. \$200. J.P. O'Reilly, Ext. 3284.

64 FORD GALAXIE - 2 dr, 289 cu. \$200. Frank, Ext. 2311, 589-6069.

TIRES - (2) 978-14, great spare tires, sacrifice. \$3 each. Pynn, Ext. 3927/3786.

69 AMC AMBASSADOR - Auto, ps/pb/ac, steel radials, very good cond, returning to Europe. \$750. Pynn, Ext. 3927/3786.

Water Carnival Fun

On Wednesday, August 20, the BERA summer recreation program held its Summer Water Carnival. Over 300 children of all ages arrived early, eagerly awaiting the start of the first event. The pool was ready, having been decorated splendidly for the affair. Lifeguard Rich Parsons, Master of Ceremonies, dressed in a crazy hat and a long striped bathing suit, began the festivities with a toot of his whistle.

Three age groups participated, four to six year olds, seven to nine year olds and ten to fourteen year olds. Back and forth they swam with cups on their heads and ping pong balls on their noses. Kickboard races, crazy dives and freestyle swimming highlighted the evening which finished with a "diving for money" contest in which the children came out of the pool richer than they had gone into it.

A Big Splash



Children of all sizes participated in the Water Carnival, one of the special events in the BERA summer recreation program. In the upper left picture two opposing teams vie for control in the watermelon scramble. Following clockwise, the children are lined up for the start of the birdie and straw

Arrivals & Departures

Arrivals

Michael B. Littles	Applied Math
Karen E. Miller	Tech Info.
James T. Pedersen	Medical
Sen-Sung Tsai	Applied Science

Departures

Anas M. El-Naggar	Medical
Yoseph Imry	Physics
Michael Marmor	Applied Science
Wolfgang Rothenstein	Applied Science
David E. Whitney	Biology

Bowling Notice

There are several openings on the mixed league bowling on Thursday evenings in Shirley. Beginning bowlers are welcome in both Port Jeff. and Shirley.

Join a team. Bowling is fun! Call Cathy, Ext. 2456.

Monster Day

Last Friday was Monster Day for the BERA morning recreation program, and it was the last Friday special of the season.

The children came early to make sure they got good seats to see the movie, "A Haunting We Will Go." Some children even dressed up like monsters to scare away others from the best seats.

Laughter was plentiful as the crunching, crackling and wonderful aroma of popcorn cooked by counselor Mary Grace Lazzaro filled the air.

At the conclusion of the movie the children received participation certificates and said their goodbyes.

The Recreation Staff would like to take this opportunity to thank the many parents and children who supported the program this summer, and made it a huge success. Enrollment was larger than ever, and all had a fun-filled summer. We are looking forward to seeing everyone next year.



race. Next are Yuri Mishina and Melinda Chen struggling along in the ping-pong ball and spoon race. Last, the winners of the penny fetch, (left to right) Alson Bauer, Cathy McTague and Bob Doskoz, come up smiling.

Classified Advertisements

61 RAMBLER - Motor good, r/h, 6 cyl, auto trans, new brakes & shocks. Jerry, 475-5591 before 4.

74 VEGA - Hatchback, a/c, radials, deluxe interior, a-1 cond. 588-4703 after 5.

73 GREMLIN - A-1 cond, mags, am/fm radio, 3 spd, good gas mileage, orig owner. 588-4703 after 5.

74 VEGA GT - Turbo-hydramatic, custom interior, am/fm stereo 8-track, excel cond. \$2400. 475-7326 after 5.

TIRES - (2) 600-12 C41 Dunlap w/w, \$10; (2) 600-12 snow w/w, \$10; (1) 700-13, \$5. Ralph, Ext. 2485.

68 CHRYSLER - Station wagon, ac/ps/pb. \$400 firm. 732-3681.

RELIABLE TRANSPORTATION - 66 Olds, 4 dr, ps/pb. Asking \$400. 246-6130 days, 698-3188 after 5.

68 IMPALA - 2 dr, ps/pb, excel cond, high mpg, returning to Japan, must sell. \$450. Ken, Ext. 4393.

68 PLYMOUTH - Fury I, radio, good tires. \$350. Werner, Ext. 3193.

66 VW SQUAREBACK - Engine completely rebuilt, new ball joints, brakes, steering box, etc, reconditioned by VW dealer, excel cond & mileage. 751-7140.

65 VW BUS - Runs good, good cond. \$350. Mike, 281-3460.

VW RADIO - 6V; 6V-12V converter, \$10; misc used VW parts. 281-3460.

68 MERCEDES BENZ - Ps/pb/disc/ac, am/fm, Michelin X radials, 20 mpg, 70,000 mi. good cond. Jean, Ext. 2902, 727-5168 after 6.

67 FORD - Country Squire station wagon, pb (disc)/ps, power rear window. \$600. Bill, Ext. 4285, 924-3243.

74 CAPRI - 4 cyl, 4 spd, am/fm, 8-track stereo, 6000 mi, 27 mpg. \$2995. John, Ext. 4255, 929-4450.

Boats & Marine Supplies

22' REINELL - 1970 fiberglass cabin cruiser, camper back, sleeps 6, galley - stove, sink, table, head, 115 hp OMC outdrive, immed avail, dockage incl. \$3900. Ext. 4156, 924-4573.

16' LARSON TRIHULL - 1969 fiberglass runabout 115 hp Evinrude, trailer w/elec winch. \$2000 for all. 286-8952.

BOAT TRAILER WENCH - Double geared w/hand brake, new. \$20. Joe, Ext. 4089.

19' LIGHTNING - Sailboat, wooded hull w/fiberglass deck, excel cond, fully equipped; 71 Dilly trailer incl. \$750. Chuck, 475-7223.

23' PEMBROKE - Sport fisherman, flying bridge, d/f, head, full canvas, extras, completely refurbished, mech & str very good. \$2150. 298-5092, Ext. 4068.

21' SKIFF - 1964 Grady white, wood hull, V8 eng, must see. Ext. 4254, 734-7342 after 6.

SUNFLOWER - Reasonable cond. \$55. Ext. 3855 after Aug 24.

16' RUNABOUT - Fiberglass, self-bailing, deck center console, 85 hp Johnson elec, teleflex steering, 73 Dilly trailer. \$850. O. Medeck, Ext. 2350, 363-6439.

16' CAPE COD - Gemini, fiberglass, dacron sails, Herishoff design. Bill, 751-1097.

34' BALTZER - Twin Chrysler engines, camper back, excel fishing or family boat. 331-1718.

OUTBOARD MOTORS - (2) 2 hp, one is an Elgin, need small amount of work. Andy, 286-0377.

23' CHRIS CRAFT - Express cruiser, 125 hp Chrysler crown engine, very good mech cond, many extras. \$850. 289-5607.

Miscellaneous

DINETTE SET - Formica table, 4 chairs, excel cond; 8 bi-fold doors, new, no hardware. Ext. 2487.

BOOKCASE - Wall unit; small tables, assorted; 4 white & gold dining room chairs, slant board. Ext. 2487.

ENGINEER'S LEVEL - Dietzen, \$100; Brunning Wye level, \$60. Ext. 4058, 286-0436.

LAWNSWEEPER - Parker, 26". \$8. Ext. 4058, 286-0436.

DUCK PUNT - Early season sale, one-man duck punt, \$50. Ext. 4058, 286-0436.

13" RCA TV - 6 months old, black & white, must sell. \$40. Ken, Ext. 4393.

FISH TANKS - 15 gal, \$8; 32 & 45 gal, \$15 each. Ext. 4058, 286-0436.

DELI SLICING MACHINE - Commercial, cost \$500, sell \$175, good cond. Joe Bush, Ext. 4241, 732-8877.

NUCL PHYS - A 201, No. 2, 202-206 (compl), 75¢ each. All for \$10. Tom, Ext. 2902.

WOMEN'S BIKE - Columbia, 3 spd, side baskets, mint cond. \$65. R. Ince, 286-0682.

36" HEATALATOR - New. \$125. R. Ince, 286-0682.

WALL TENT - 7' x 7', never used, list \$90, sell \$70. R. Ince, 286-0682.

CANNING JARS - Atlas & Ball, quarts & pints. Ext. 2926.

SECURITY LOCK - Heavy duty, new, still in box, \$10; glass top center table, gold marble bottom, \$30; 4 piece bathrm set, red, new, still in boxes, \$7. Ext. 3141.

PORTABLE TYPEWRITER - Smith Corona, w/carry case. \$25. Pete, 281-6130 eves.

OUTDOOR EQUIPMENT - Scotts large spreader, model 753, \$20, \$20; small spreader, \$5; wheelbarrow, \$15; yellow patio umbrella, \$5; swimming pool, complete w/filter, ladder, vacuum & net, \$50. Pete, 281-6130.

¾" DRIVE SOCKET SET - \$25. Joe, Ext. 4089.

PORTABLE SAW - B&D, 6' w/accessories. 744-5871.

KITCHEN MISC - Golden fruit bowl, glass top, \$6; light gold table lamp, \$5; black & white lazy susan dish, \$2; gold milk shake machine, \$5; copper jello mold set, 1 large, 3 small, brand new, \$5. 281-6130.

RANGE HOOD - & exhaust fan, yellow, brand new, never used. \$35. 281-6130 eves.

JUDO UNIFORM - For beginner, brand new, never used, \$20; Eureka upright vacuum cleaner, brand new, \$50; Hamilton Beach vacuum cleaner, \$15. Ext. 3141.

POOL - 15' x 4', all new accessories, \$200; handmade lawn glider, \$115; refrigerator, \$40; 2 bikes, \$10 each. 928-4528.

GERBILS - 1 male or 2 females w/cage w/2 habit-rails, 1 large, 1 small. \$10. 286-2272.

AM/FM RADIO & TURNTABLE - For built in, 2 speakers, 1 large, 1 small for den or playroom. \$35. 265-1072.

CHORDETTE ORGAN - Estey 306, maple tone, good cond. \$50. 265-1072.

CHANDELIER - Wagon wheel 25" diameter, brass trim, 5 hobnail glass lights; Schwinn 19" men's bicycle, 1 spd, Chuck, Ext. 4477.

CHILD'S BIKE - 20" boy's single spd w/detachable training wheels, good cond. \$20. 751-0685.

PARKING-STOP LIGHTS - 5 large lights, \$2; small red & yellow clearance lights, 50¢; for trailers, rv's, displayed Tech St, physics parking lot, red VW 333 LDT. Frank, 727-5527.

CAMPERS COOK BOX - Varnished plywood construction, 12 x 18 x 27, 3 shelves, utensil tray & plastic pan. \$17. Al, Ext. 3354.

TACKLE BOX - Plano 727 salt water w/3 sliding drawers. Cost \$32, sell \$17. Mint cond. Al, Ext. 3354.

WATER TANK - 82 gal, ½ hp jet well pump & accessories, like new. 286-1951.

FIREPLACE - Mover's dolly, 8' wood counter, electric range, aluminum storm door, elec wire BX & Romex. 286-1951.

OAK FLOORING - Approx 100 sq ft, end matched, some in orig bundles. \$35. Ralph, Ext. 2485.

GIRL'S BICYCLE - Columbia 26". \$15. Margaret, 286-0615.

PROOF PRESS - For proofing galley type, may be used for printing wood or linoleum blocks. \$100. Ralph, Ext. 2485.

GOLF CLUBS - MacGregor, A1 Shaft 1,3,4 woods, 2-9 irons. \$65. Ralph, Ext. 2485.

2 CARVED ALABASTER LAMPS - Avon mallard decantor, bird cages. Irene Merritt, 589-5126.

ANTIQUA HOOSIER KITCHEN - Cabinet, \$200; hall tree, \$225; round top wood chest, \$100; lg crock, 28" \$45. 473-0178 eves.

BELT VIBRATOR - Slim down w/health master 350 watt, orig 100, bargain at \$25. Jerry, Ext. 3434.

ANTIQUA VICTORIAN FURN - Love seat, 2 arm chairs, straight chair, large antique fancy frame mirror. 363-6597.

YELLOW LAB PUPPIES - 6 weeks old, AKC registered. 286-3335.

WALNUT BUFFET - Danish modern; liquor cabinet w/china display combination, \$125; candelabra chandelier. 581-9199.

BOTTLE CAPPER - Old, but working cond. \$3. 727-1329.

HAWAIIAN STEEL ELEC GUITAR - Magnatone. \$25. Ed, 727-3608.

TAPE DECK - Panasonic 8 track, like new, for home stereo. \$30. Joe Bush, Ext. 4241.

LIVING RM FURNITURE - Club chairs, library table, end chair, marble topped round table, lamps, excel cond. Ext. 3427, 751-2403.

UTILITY TRAILER - Very good cond. \$125. 878-2955.

PINE TABLE - 48" round, opens to 72" oval, 2 leaves, \$150; floor loom, 2 harness, weaving width, 35", \$100. Carolyn, 567-1272.

"J" T-SHIRTS - By popular demand, are now available at AGS, white w/colorful lettering, sm, med, lg, xlg. \$4 each. Helen, Ext. 4649.

TV SET - GE 20" black & white. \$15. Wooden baby teeter-toter. \$5. Press, Ext. 3193.

TRAIL BIKE - Sears, 13", red, very good cond. New, \$30, now \$15; Big Wheel, \$7. Press, 345-3193.

PACHYSANDRA - Good ground cover for open areas or in shade. 50 plants for \$5. 744-5448.

BEDRM SET - 5 piece, walnut, \$350; mahogany coffee table & 2 end tables, \$75; other items, good cond. 727-2127.

POINTER - German short hair, good lines, AKC, stud service for pick of litter. 589-1069.

DINING RM SET - Table, leaf, 4 chairs, china, buffet, mirror. \$300. 744-2821.

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 - Colonial 4 bedrm, 2½ baths, 2-car garage, full basement, fireplace in large living room, formal dining, country kitchen, den, ¼ acre plot, Middle Island Schools. \$51,500. 286-0158.

CATSKILLS - Delaware Co, 20 acres, trailer, panoramic view, spring, open & wooded, excel hunting & fishing, will divide. \$20,000. Pete, Ext. 3297, 586-3579.

BELLPORT - 5 bedrms, large Victorian house ¼ mi from bay, sauna, modernized kitchen & bathrooms, Franklin stove, 1¼ acres. \$58,000. 286-1091.

E PATCHOGUE - 7 room ranch, 3 bedrm, 2 baths, den, living rm, fireplace, many extras. 286-3363.

CENTER MORICHES - 2 bedrm ranch on corner fenced plot, water view, beach rights, 15 min to Lab. \$28,000. Bogart, 878-0249.

For Rent

COTTAGE - Year round, secluded, 2 bedrms, Coram area, you decorate. \$200/month + util. 732-3681 after 6.

VERMONT VACATION - 3 bedrm mobile home, near fishing, golf, tennis, avail weekly or weekends. Bob, 473-8186.

APARTMENT - 3 room, private entrance, Holbrook, central location, no children or pets. 588-3792 after 5.

PATCHOGUE - 3 room apt, excel location, avail Sept 1, near shopping, churches & railroad. 475-8187.

TO SHARE - 4 bedrm house in Medford. \$30/week & ½ util. Jack, Ext. 4255, 289-6708.

BELLPORT - 3 bedrm house, furnished, on 1½ acres, near bay, available for 1 yr from Sept 1. Ext. 4581, 286-8639 after 6.

WADING RIVER - Waterfront cliff house, fireplace, cathedral ceiling, sleeping loft & 1 bedrm, basement, childless couple preferred, precarious for young children. \$275/month + util. Powell, Ext. 2440, 929-8165.

Classified Ad Policy

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

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

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

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

- Wanted
 Carpools
 Lost & Found
 Services

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

Ads concerning property for sale or rent cannot be accepted on this form. Special Real Estate Ad forms are available at the Office of the Brookhaven Bulletin, Room 111, 40 Brookhaven Avenue.

(Name & Phone No. To Call)

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

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