



Harold Smith, Biology, checks on tobacco plants he is cultivating outdoors for his research project.

## What Happened To The Hybrids?

It has been three years since the first parasexual hybrid of two tobacco species was successfully grown at Brookhaven. The discovery generated much publicity and launched a world-wide effort to cross other plant species parasexually.

The technique was developed in 1972 by Peter Carlson, Harold Smith and Rosemarie Dearing, all of Biology. (Carlson and Dearing have since left the Laboratory.) They fused leaf protoplasts, cells with their cellulose walls removed, from two different tobacco species. When the fused cells grew into colonies, they were placed in a medium devoid of hormones, which was unfavorable for the growth of the parent tissue but allowed the hybrid colonies to develop rudimentary shoots and leaves. The hybrid shoots were then grafted onto freshly cut stems from one of the parents where they grew into mature plants. Unlike most sexual hybrids, produced by conventional cross pollination techniques, the parasexual hybrid is fertile and produces fertile offspring.

Although many research groups around the world tried to duplicate this experiment and extend it to other plants, none were successful at first. Recently, a scientist at a Canadian government regional laboratory did succeed in fusing cells from the two tobacco species, and also improved the methods of fusion. He brought 400 independent cell colonies of parasexual hybrids to Brookhaven where they are being grown into mature hybrid plants and studied by Harold Smith.

There are now over 20 mature parasexual tobacco hybrids thriving in the Biology Department's greenhouses. When the first parasexual hybrid was developed, it appeared to be identical to a sexual hybrid. Upon analysis, Smith has discovered that the new parasexual hybrids have a somewhat different genetic make-up probably because of new fusion methods used. He is currently running tests on the hybrids to

find out how fertile they are, how many chromosomes they contain and how the chromosomes pair. Although the original hybrids contain 42 chromosomes, the fusion technique now used causes multiple fusions to occur, resulting in plants containing anywhere from 56 to 63 chromosomes.

During warm weather the parent species of the parasexual hybrids flourish in a field outdoors where Smith spends each morning checking on their progress. Both are types of wild tobacco indigenous to South America and are quite different from one another. One is small bush-like annual, native to southeastern Brazil, with short dark green fluted flowers. The other is a woody perennial which grows in the Andes reaching a height of 15 feet. It bears long, pale yellow fluted flowers. The hybrid of these two species has intermediate characteristics but invariably develops tumors.

Smith has been studying tumor formation in sexual hybrids for many years. According to Smith the basic biological principles of tumor formation are probably the same in plants and animals. "The more we learn about plant tumors, the more is known about tumor formation in general."

Smith is analyzing these hybrids to determine which chromosomes carry the genetic factors for tumor formation. "We have evidence that the genetic factors on as few as two chromosomes seem to cause these tumors," said Smith. "For many years people have been saying that cigarettes cause tumors in people, we are people who cause tumors in tobacco," he said lightheartedly.

Now that two plants of the same genus but different species have been combined parasexually, the next step is to hybridize plants from entirely different genera. Smith's research group now is endeavoring to combine a tobacco plant with a petunia, members of the same plant family, but in different genera.

## Industry Opportunities Explored

A one-day conference on Long Island Industry opportunities with the Energy Research and Development Administration (ERDA) will be held at BNL on Tuesday, September 16.

The conference, jointly sponsored by the Long Island Association, the State University of New York at Stony Brook, Polytechnic Institute of New York, the United States Energy Research and Development Administration and Brookhaven National Laboratory, will be held from 9 a.m. to 4:30 p.m. in Berkner Hall.

Congressman Jerome Ambro (D-NY) one of the organizers of the meeting, will be a featured speaker. Other speakers will include representatives from the Long Island Association, ERDA and Brookhaven National Laboratory.

According to Warren Winsche, Associate Director for Energy, "The emergence of a major new federal agency - the Energy

Research and Development Administration, with a proposed \$4 billion annual operating budget, affords opportunities for a broad spectrum of commercial and industrial firms to participate in its research, development and demonstration programs."

The objectives of the conference at BNL are: to identify ERDA policies, priorities and procedures as they relate to industrial grants and contracts, particularly on Long Island; to address the problems of transferring federally-sponsored science and technology into practical application by the private sector; to stimulate private sector capabilities to implement a wide range of energy R&D both within the Long Island research and development community and between it and ERDA.

This public meeting which will be of prime interest to industrialists concerned with new ventures, product development and marketing, and government contracts, will have no registration fee.

## Nutrition Expert To Lecture At BNL

Dr. Jean Mayer, Professor of Nutrition and member of the Center of Population Studies at Harvard University, will be the 14th George B. Pegram Lecturer at Brookhaven on September 10, 11 and 12.

Dr. Mayer's lecture series will be titled "Noah's Ark: An Inquiry into Nature, Man's Food and Population." The first lecture, presented on Wednesday, September 10, will be sub-titled Nutritional Diseases and Standard of Living; the second, on Thursday, September 11, Food Production, Distribution of Resources and Population; and the concluding lecture on Friday, September 12, Towards a National and International Food Policy. All three lectures will be delivered in Berkner Hall starting at 8 p.m. No tickets are necessary and they are open to the general public.

Jean Mayer, Master of Dudley House at Harvard University, is well known for his research on the mechanism for regulation of food intake and the development of human obesity. Professor Mayer has been active in a variety of national and international efforts. As director of the First White House Conference on Food, Nutrition and Health, he had a role in calling the nation's attention to the nutritional problems of the poor in America. Subse-

quently, he chaired the Nutrition Division of the White House Conference on Aging. Currently, he is head of the United Nations Task Force on Child Nutrition and a member of the President's Consumer Advisory Council.

As its population increases rapidly, the world appears to be faced with deficient production and distribution of food, energy and other natural resources once regarded as plentiful. The urgent need to respond to the serious human and economic consequences threatened by these apparent global shortages provides the background for Professor Mayer's lectures.

The Pegram Lectures were established by Associated Universities, Inc. to honor an individual for his accomplishments and to provide a forum for discussion of the broad implications of science in the areas of the lecturers' experience and interests.

The lectures were established in 1959 in the name of the late Dean George B. Pegram of Columbia, the eminent nuclear physicist who played a key role in the founding of BNL. Prominent past lecturers include: Barbara Tuchman, George Reedy, Lee DuBridge, Roger Revelle, J. Robert Oppenheimer, Barbara Ward, Louis S.B. Leakey, René Dubos and André Maurois.

## A Very Special Event Draws Near



Anne Mauro sells the first ticket to BERA's Very Special Event to Laboratory Director George Vineyard. BERA will present four evenings of dinner theatre and dancing. The Owl and the Pussycat will be featured on September 19 and 20; and I Do I Do on September 26 and 27. Anne is the singer of The Serenaders, one of four bands that will be providing after-dinner music. The other bands are Chappy and His Chaps, the M.J.B. Trio and the Isotope Stompers. Tickets for each night can be purchased from the following persons:

Accelerator .....	Helen Keeley	Photography & Graphic Arts .....	Helga Pirozzi
Applied Mathematics .....	Amy Oropello	Physics .....	Barbara Nichols
	Kathy Boggi	Plant Engineering .....	Linda Masem
Applied Science .....	Joan Redzinak		Arthur Gannon
Biology .....	Irene Steele		Hugh Rhodus
Central Shops .....	Claire Kirkpatrick	Purchasing .....	Josephine Wilkan
Chemistry .....	Dorothy Pollock	Reactor .....	Audrey Bangel
Fiscal .....	Marge Stoeckel	Staff Services .....	Joan Perullo
Health Physics & Safety .....	Maria Beckman	Supply & Materiel .....	Marge Weltz
Instrumentation .....	Barbara Gaer	Technical Information .....	Audrey Blake
Mechanical Engineering .....	Helma Scesny	Director's Office .....	Anne Mauro
Medical .....	Marge Brockner	ERDA .....	Ruth Neuss

## From Whence They Come

Every day approximately 2700 BNL employees travel from home to the Lab and back. Home may be as far as Bayside or Flushing or as close as Middle Island and Yaphank.

The most recent census of Lab employees, taken in 1974, shows people coming from 92 towns all over the Island and Queens. Patchogue has led the number since 1952, reaching a high of 459 in 1966 and dropping to 175 by 1974. Yet it still leads along with Bellport, 160, and Riverhead, 125. The average is 20 to 40 from the other towns and there is one employee each from Bayside, Flushing, Rego Park, Queens Village, Springfield Gardens and St. Albans. One die-hard even makes the ferry trip to and from Shelter Island each day.

## August Service Awards

The following employees will receive Service Awards during the month of August.

### Twenty-Five Years

John R. Hare, Sr. .... Applied Science  
George C. Hrabak ..... Physics  
Patricia M. Wilson ..... Accelerator

### Twenty Years

Kurt F. Minati ..... Mech. Engineering  
Donald G. Schweitzer ..... Applied Science  
Alexander Selan ..... Plant Engineering  
Carl R. Thien ..... Director's Office

### Ten Years

Hong B. Chiang ..... Applied Math.  
George M. Counadis ..... Medical  
Richard W. Hipperling ..... Central Shops  
Andres J. McNerney ..... Accelerator

## Free Tickets For Dinner Theatre

Employees who purchase tickets for BERA's Very Special Event - An evening of Dinner Theatre - on or before September 5, will be eligible to participate in a drawing for two free tickets to either event, or a refund of money for two tickets already purchased. Those who purchase tickets before the deadline will automatically be entered in this special drawing.

## In Memoriam

Robert J. Nussberger, who began working at the Laboratory on January 7, 1963, died as the result of a sudden heart attack on August 18, 1975.

Nussberger was the Refrigeration and Air Conditioning Supervisor in the Plant Engineering Division.

Joe Rose, speaking for the Mechanical Utility Group as a whole, said that Bob would be tough to replace and would be missed sorely by all. He had been a stabilizing factor in times of pressure or stress.

Nussberger is survived by his wife, Mildred, and a son and daughter.

## Selected Reading

Phys. Bull. 26, July 1975  
Physics never died. G.B. Brown. 313-14  
Science 189, August 8, 1975  
DESY: West Germany's biggest accelerator center. 444-5  
Science 189, August 15, 1975  
White House Science Adviser: House Committee rewrites its bill. R. Gillette. 531-2

## "5 From Long Island" Opens Wed.

In addition to potatoes and high energy physics, Long Island seems to provide fertile ground for artists. From the days of Thomas Moran, William Sydney Mount and Childe Hassam the eastern end of the Island, particularly the South Fork, has attracted and nurtured some of the finest talent in American art. In this century, Jackson Pollock, Willem de Kooning, Larry Rivers, Balcomb Greene and many other have lived for extended periods in the area between West Hampton and Montauk. The exhibit opening at BNL on Tuesday, August 26, demonstrates that the artistic tradition continues to thrive in Suffolk County. The show, which will be open through September 12, will include the work of five artists who live on Long Island but whose reputations extend well beyond its shores. They are Robert Dash, Betty Parsons, Irma Selz, Sid Solomon and Faith Stern. The artists were selected in collaboration with Elaine Benson of the Benson Gallery to demonstrate not only their individual and collective quality but a range of media and approaches to art.

Robert Dash will show a closely inter-related set of hand colored lithographs which explore the coloristic possibilities of a given scene much as Monet explored the visual aspects of a single facade of the Rheims Cathedral. Dash's work is in the collection of the University of California, the Bank of New York, the Chase Manhattan Bank, the Brooklyn Museum, the Modern Art Museum of Munich and a number of other prominent collections.

Contrasted to the realism of Dash, the paintings to be shown by Syd Solomon are in the tradition of modern abstract expressionism. The canvases that will be part of the "5 From Long Island" show are colorful, vigorous and aesthetically refined expressions stimulated by and responding to the same Long Island landscapes represented so differently in Dash's lithographs. A retrospective exhibition of Solomon's work was shown this year at Ringling Mu-

seum in Sarasota, Florida, and at the New York Cultural Center.

In further contrast with the bold and strong paintings of Syd Solomon, the drawings to be shown by Faith Stern are delicate and finely sensitive. Incorporating elements of construction and collage in a highly original way, they demonstrate new possibilities in abstract drawing. Ms. Stern studied with a number of prominent American artists including Leonard Baskin whose works were the subject of a one man show at BNL two years ago. Her works have been exhibited at a number of museums and galleries in the United States.

The sculptures of Irma Selz embody two distinct qualities - an immediate visual understanding and appeal and a firm underlying aesthetic abstract quality. They are primarily bronze sculptures of animals - representations in which the elegance of a swan, the weightiness of a sheep or the pride of a pheasant are succinctly summarized. They are also beautiful sculptural objects in an abstract sense with the animal forms guiding the development of surface and volume.

Of particular interest at the show will be the constructions of Betty Parsons. Mrs. Parsons is best known for her critical role in supporting and exhibiting key figures in American art. Her New York Gallery, opened in 1946, showed many of the pivotal American artists of the late forties and early fifties: Mark Rothko, Hans Hoffmann, Jackson Pollock, Barnett Newman, to name a select few. As Calvin Tomkins wrote in a recent New Yorker profile, these were shows that "changed the course of modern art, not only in America but internationally."

Mrs. Parsons' reputation as an artist is perhaps more "underground" but she has shown at a number of New York galleries (not her own). In fact her career as an artist started long before her career as a gallery owner, with studies under such great sculptors as Bourdelle, Zadkine and Archipenko. Included in the Brookhaven show are a number of constructions made from bits and pieces of wood washed up on the beach in front of her house at Southold. They are assembled and painted with a charm and vivacity and perform the extraordinary feat of raising driftwood art from the banal to the significant.

Taken together, the works to be shown in "5 From Long Island" exemplify well the quality and variety to be found in modern American art. What is extraordinary is that they represent a selection of the works of a very limited number of Long Island artists.

The BNL Art Committee has invited the entire Laboratory community and their friends to the opening of the show on Wednesday, August 27 at 8 p.m. A number of the artists and Elaine Benson of the Benson Gallery will be on hand for the opening. The exhibit is being held in the meeting rooms in Berkner Hall and will be open on weekdays from 11 a.m. to 2 p.m. through September 12, and will also be open the evening of the Pegram Lectures on September 10, 11 and 12.

—Phil Palmedo

## Camera Club Meeting

The BNL Camera Club will meet on Wednesday, August 27, at 7:00 p.m. in the Recreation Building.

Election of officers will be held and plans for the club's new darkroom facilities will be announced.

Old members are urged to attend and new members will be welcome.

## Off-Site

## Long Island In A Child's Mind

It will soon be back-to-school time for the kids, but there are still many pleasant weekends in store before the winter chill sets on Long Island.

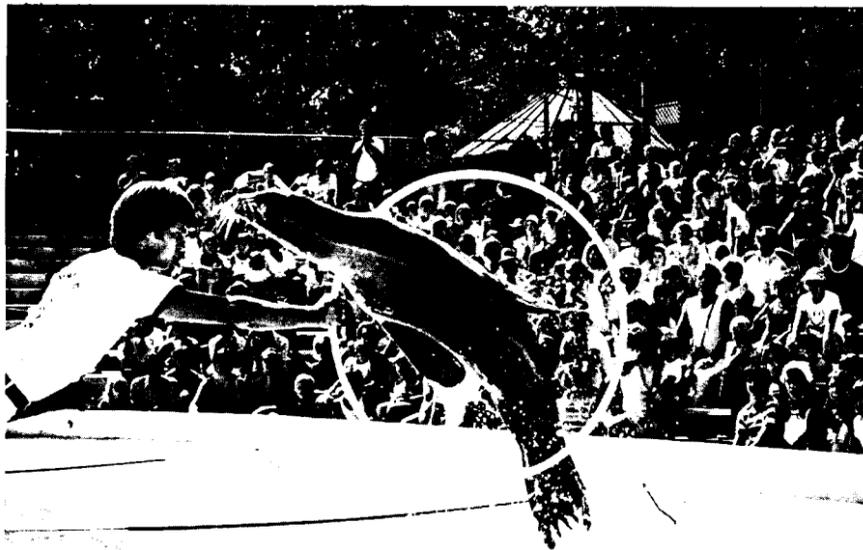
Besides going to the beach and the movies there are a variety of other attractions for kids on Long Island, and two are right next to the Laboratory.

The Long Island Game Farm, located just south of exit 70 on the Long Island Expressway, is the only thing that comes close to a zoo in the area. Located on approximately 100 acres, the Game Farm harbors all types of animals from exotic zebras and ostriches to camels, lions and monkeys. There are rabbits and different types of fowl as well as goats, cows and donkeys. Signs invite visitors to touch and feed many animals and to sit on the grass. The Game Farm is attractively landscaped and features wagon rides, and a sea lion show at intervals throughout the day. Entrance fees are \$3.70 for adults and \$1.80 for children over two. Children under two are admitted free.

Whitmanns Rabbitry, in Yaphank, raises 15 different species of rabbits. Children can see more than 400 rabbits in all stages of development. The rabbitry also has a horse, monkey, goats and two raccoons which can be petted and fed by visitors. On the premises is one of the largest fur shops on Long Island, selling fur coats and many other items made from rabbit fur. Incidentally, they do not use their own rabbits but buy skins commercially. The rabbitry is open all year round from 10 a.m. to 5 p.m. every day. Admission is 50 cents.

People willing to travel a little further for entertainment can go to Centerport and see the Vanderbilt Museum and Planetarium. Both are located on "Eagles Nest" a 43-acre estate with a 24-room mansion of Spanish-Moroccan design. Exhibits in the museum include over 17,000 items of marine and wildlife as well as priceless items of art and memorabilia.

The Vanderbilt Planetarium, with one of the best projection systems in the world, features a variety of programs throughout the week. Their current sky show is "The Incredible World of Outer Space," which explores strange phenomena such as black holes and pulsars. Show times are: Tuesday-Friday, 2 p.m., 3:30 p.m. and 9:15 p.m.; Saturday, 2 p.m., 3 p.m., 4 p.m., 8 p.m. and 9:15 p.m. Sunday times are the same as Sat-



Pandora the sea lion "does her thing" for crowds at the Long Island Game Farm.



From the exotic ...

urday except for one additional showing at 5 p.m. Admission prices are \$1.50 for adults and one dollar for children under 12. Children under six are not allowed to these performances.

On Tuesday through Friday at 1 p.m. the planetarium features a special constellation show. Constellations are described and people are told which ones to look for in the present sky. The cost to this show is 75 cents. Until Labor Day



To the elusive.

there will be a special evening show at 8 p.m. called the UFO Phenomena.

For children over ten and their parents, there is a family show on Tuesday, Thursday and Saturday at 11 a.m. The theme for the sky show changes every week and it is followed by a question and answer period.

Both the planetarium and museum are closed on Mondays. Admission to the museum is 75 cents.

**Dinner Theatre Stars**



Phil Mastrelle and Annette Harrington, stars of *I Do - I Do*.



George Lozides and Cathy McGuinness, stars of *The Owl* and *The Pussycat*.

**I Do - I Do Follows The Owl And The Pussycat**

Save the wine on your table when you come to see the second Dinner Theatre presentation at the Brookhaven Center on September 26 and 27. There is no better time to sip wine than during the singing of "My Cup Runneth Over."

*I Do - I Do*, is a joyous recital of the lives together of a happily married couple over the span of fifty years. The play is a chronicle of connubial events, from the couple's wedding day at the start of the play, to the day when, full of years, they move out of their well-beloved big home after their children have grown and found lives of their own. The story is told through a series of scenes, celebrated with an appropriate song, one of the special happy events or minor crises of their long and happy marriage.

The story carries them through the hesitations and embarrassments of their bridal night, through the thrilling moment when the wife jubilantly sings "Something Has Happened" and shows the audience a

swelling profile to indicate the coming of their first child. During their realization of dependence on each other, they sing the hit of the show, "My Cup Runneth Over." Their quarrels are expressed in the song, "Nobody's Perfect," and the husband's feeling of career being more important than domesticity is explored in "Love Isn't Everything."

There are songs of jealousy when forty-ish indiscretions surface, songs of lament when the daughter wants to marry a boy who (according to the father) is unworthy of her, right on through the entire play - a total of twenty songs in all.

The husband is played by Phil Mastrelle, and the wife is ably portrayed by Annette Harrington. During the course of the play, the principals age from the newly married to the recently retired. The entire set is focused on a large four-poster bed, where most of the action takes place. The original Broadway play was titled "The Four Poster."

*I Do - I Do*, will be presented as the second offering of Dinner Theatre on Friday, September 26, and Saturday, September 27. Dancing after the show will be to the music of the M.J.B. Trio on Friday night, and to the Isotope Stompers on Saturday night. Dinner before each show will be a choice of either prime ribs of beef or chicken Kiev.

Reservations and table locations are on a first-come basis, and will be taken by any of the listed ticket sellers starting on Monday, August 25. Employees who purchase tickets on or before September 5, will be eligible for a drawing, at which the winner will receive a refund for two tickets purchased, or two tickets for the other show.

The Owl and the Pussycat, to be presented on September 19 and 20, starring George Lozides and Cathy McGuinness will be the first offering of Dinner Theatre by the BERA Very Special Events Committee.

**July CREF Values**

1974			
January	\$40.75	February	\$40.83
March	39.32	April	37.58
May	35.11	June	34.29
July	31.71	August	29.09
September	25.39	October	30.27
November	29.23	December	28.35
1975			
January	\$30.67	February	\$32.80
March	33.77	April	36.12
May	38.07	June	39.88
July	\$36.81		

**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.

**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.

**Contest Day**

Last Friday the BERA summer recreation program held its annual Contest Day. Contestants went crazy chewing crackers and then trying to whistle, blowing balloons across the floor, throwing a piece of cloth for distance, and many more zany stunts. It all ended with everyone getting wet in a water balloon throwing contest. Winners were many and proud.

Next Friday is the last day of the summer morning program and its feature will be "Monster Day" complete with a full length movie.

**A Full Mouth Swim**

Last Friday's pool special was really a mouthful and a headache as the over ten year olds had to swim across the pool and back with a pin-pong ball precariously balanced on the tip of a spoon, with the other end of the spoon in the contestant's mouth.

Winners were: first place - Paul Tanaka; second place - David Miles; third place - Peter Tanaka.

In the shallow end of the pool the younger children were running in the water with overturned cups atop their heads. Foot by foot they worked their way across the pool until the winners emerged wet and happy.

In the four to six year olds the winners were: first place - Michelle Place; second place - Jody Miles; third place - Melissa Place. Winners of the seven to nine year olds were: first place - Mary Crystal; second place - Michele Greenhouse; third place - Shankari Srinivasan.

**Arrivals & Departures**

**Arrivals**

Douglas E. Hof.....Chemistry  
June A. Polistina.....Supply & Materiel  
Stephen E. Schwartz.....App. Science

**Departures**

Susan Mickel.....Medical  
Ralph J. Persson.....Photog. & Gr. Arts  
Haskell J. Taub.....Physics

**August Retiree**



George M. Folls, who is a Computer Operator in the Applied Mathematics Department, will be retiring today, August 22, 1975. He has been at the Laboratory since September 22, 1947.

**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 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.

**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.

**Cafeteria Menu**

**Week Ending August 29, 1975**

<b>Monday, August 25</b>	
Cream of Celery Soup	
Franks & Baked Beans	1.00
Barbecued Fresh Ham & 1 veg.	1.25
<b>Tuesday, August 26</b>	
Cream of Chicken Soup	
Chopped Steak & 1 veg.	1.05
Veal & Peppers w/noodles oregano	1.25
<b>Wednesday, August 27</b>	
Vegetable Beef Soup	
Swiss Steak & 1 veg.	1.25
<b>Special</b>	
Davey Jones Fish Fry	\$1.25 plus tax
<b>Thursday, August 28</b>	
Puree of Mongol Soup	
Spanish Omelet & fr. fr.	1.00
Short Ribs of Beef & 1 veg.	1.25
<b>Friday, August 29</b>	
Sea Food Chowder	
Fish Cakes & Spaghetti	1.00
Pot Roast & 1 veg.	1.25

**Golf Tournament**

The BGA Golf League will hold an 18-hole golf tournament at the Flagg Country Club at Baiting Hollow on August 26. Starting time will be 12 noon.

This tournament is open to all BNL employees and summer students. For more information call George Korhut, Ext. 2021.

**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.

**BROOKHAVEN BULLETIN**

Published Weekly for the Employees of Brookhaven National Laboratory

CARL R. THIEN, Editor  
JEAN BURKE, Assistant Editor  
CAROL GOLDSTEIN, Copy Preparation

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Telephone 516 345-2345

## Belle Terre Weeple Day

On Sunday, August 24, the Village of Belle Terre will hold its first annual Weeple Day (*We The People*). The public is invited to participate in this special Bicentennial event.

The intent of Weeple Day is to illustrate man's different technological capabilities. Three forms of technology - low, intermediate and advanced - will be represented by a road race, a picture exhibit and an energy film.

The road race, which represents the low form of energy technology, will cover a distance of five miles. There will be four categories for the runners of over 40, under 40 and mens' and womens' divisions. Registration for all runners will begin at 8:45 a.m. and a fee of \$1 will be charged at the race on race day. The race will start at 9 a.m. at the Belle Terre Community Center, located on the corner of Cliff and Old Homestead Roads. The participants will be running in tree shaded areas only and the finish line will be back at the Community Center. Prizes will be awarded to winners in the 5-mile categories. A 1-mile fun run, with no entrance fee, will be held for children.

The intermediate form of technology, represented by a picture exhibit of the Erie Canal, will be shown in the Community Center. An energy film will be shown at different intervals throughout the day as the advanced form of technology.

The events are being held under the auspices of the Belle Terre American Revolution Bicentennial Committee, to benefit the restoration of the Village Gate House, and with the cooperation of the Village of Belle Terre, the Village of Port Jefferson, The Belle Terre Community Association and the Port Jefferson Recreation Department.

For further information contact Dan Cornish, Ext. 3267 or Gus Prince, Ext. 2902.

—Catherine Argyros

## 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.

169. RESEARCH SERVICES ASSISTANT - Part-time position. Accelerator Department.

170. SECRETARY - AAS degree in secretarial science or equivalent. Shorthand desirable. Temporary position. Department of Applied Science.

171. SECRETARY - AAS degree in secretarial science or equivalent. Shorthand desirable. Department of Applied Science.

172. SECRETARY - AAS degree in secretarial science or equivalent. Shorthand desirable. Health Physics & Safety Division.

### Autos & Supplies

67 FORD BRONCO - Runs very well, body good, good rubber, all around good shape. Don, Ext. 3511.

66 OLDS - 442, radials plus snows on rims, runs well, 86,000 mi. \$150. Cesar, Ext. 4077.

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

68 PLYMOUTH FURY I - Radio, good tires. \$350. Werner, Ext. 3193.

69 T-BIRD - Ps/p disc brakes/ac, excel cond in & out, 63,000 mi. \$900. Vic, Ext. 3254.

68 CHARGER - 318 engine, fair shape. \$400. Bob, O., Ext. 3082, 281-4146.

54 TRIUMPH - TR2 classic 2000cc, new water pump, brakes, interior, battery, recent tune-up. Asking \$2000, make offer. 543-7741 eves.

69 AMBASSADOR DPL - Small V8, auto, ps/pb, steel radials, returning to Europe, must sell. \$850. R. Pynn, Ext. 3927/3786.

2 TIRES - 650-13. \$3 & \$10. Susan, Ext. 3609.

TIRES - (3) 685-15", (3) 650-13", have a look. 475-0144 after 6.

RIMS - (2) 13", \$3; (2) Ford Mustang, \$5. O. Booker, Ext. 4719.

73 CAMARO LT COUPE - Excel cond, am/fm/auto trans, 350 V8, ps/pb, 31,000 mi, many extras. \$3200. DiDio, 286-0372.

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

68 FORD - Auto trans, ps, ac, new snows, new battery & regulator, very good cond. \$1075. 744-5548.

4 CHEVY HUBCAPS - Alike, \$10; 1 craybar, 14" rim. \$8. Ext. 4028.

61 RAMBLER - Motor good, new brakes & shocks, good 2nd car. \$150. Jerry, 475-5591 before 4.

TIRES - New, used, recaps, also extra rims. Ken, 289-8212.

66 MUSTANG - 6 cyl, 4 spd, good mileage. 588-6417 after 5.

68 FORD STATION WAGON - Excel cond, best offer. Ext. 4876.

TIRES - (2) Chevy snows on rims, some tread left, \$15 pair; (2) Chevy spare tires on rims, \$3 each; (4) Chevy rims, \$2 each; (2) Chevy hubcaps, \$2 each. Ext. 4028.

72 LTD - 9 passenger city squire, ac, all power, loaded, clean, 17,000 mi. \$3000 firm. 732-1931.

GENERATOR - 12V for cars, new Sears reconditioned, \$8. Ext. 4240.

65 VW VAN - Good cond. \$350. 281-3460.

65 PLYMOUTH - Station wagon, 4 dr, good transportation. \$400. Ken, Ext. 4003.

68 FIREBIRD - Chevy engine, 15,000 mi, needs trans, everything else in good cond w/10" cragar ss. Mike, Ext. 4270.

71 HONDA - 500cc, no elect start. \$600. noon to 12:30, E. Pluss, Ext. 3280.

1973 1/2 HONDA - 750, foiring, wind shield, luggage rack, sissy bar, excel cond. \$1850. 732-9330.

### Boats & Marine Supplies

ANCHOR - 751b mushroom w/chain. \$40. 968-5899.

17' MOBJACK - Racing sailboat, 2 sets of sails, spinnaker, on trailer. \$1200. 261-7825.

19' SLOOP - W/trailer. \$1000. Ext. 3922, 744-3235 eves.

17' TIGERCAT - Fiberglass catamaran w/trailer. \$600. John Evans, Ext. 4323, 286-2247 eves.

16' COMET - Dacron sails, stainless rigging, bronze fittings. \$300. John, Ext. 3675, Don, 444-2217, 473-6570 after 6.

67 PEMBROKE - 28' twin 190, flying bridge, radio s/s, refig, shore power, sleeps 5, boat cover, stand-up head. \$7500. 473-1440.

16' GLASPAR - Fully equipped w/trailer, 40hp Johnson, 473-2523 after 6.

16' CAPE COD GEMINI - Fiberglass, dacron sails, Herreshoff design. Bill, 751-1097.

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

23' CHRIS CRAFT - Express cruiser, 125hp Chrysler crown engine, very good mechanical cond, many extras. \$850. 475-8210, 289-5607 eves.

16' CRUISER - Moving & must sell, w/40hp Johnson outboard, includes yr old trailer & extras. 286-3944.

### Miscellaneous

BICYCLES - 20" boy's \$15; 26" boy's w/balloon tires, \$15; 2 cycle Jacobson rotary mower, \$15. 363-6049.

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

DISHWASHER - Waste King, stainless steel, free standing, butcher block top. \$125. Cesar, 744-5080.

FENCING - Sears 4' galvanized woven wire, approx 170' w/posts, corner & endposts, not chain link or chicken wire. \$90. C. Stewart, 286-9616.

HIMALAYAN KITTENS - Good blood lines, show quality. 584-7290 after 6.

BIKES - Boy's 26", \$20; girl's 24", \$5; 20" boy's, needs work, \$5. Ext. 3354, 589-4874 after 6.

DEHUMIDIFIER - Electric range; 8' wood cabinets; 80 x 32 aluminum storm door; freezer & other household items. 286-1951.

HAVE A HEART - Free calico kitten, boss gave one week's grace and then the pound. 744-6148, 289-1244.

LAWN MOWER - Electric, Sunbeam, good cond. \$30. F. Toldo, Ext. 4839.

BED - Double w/box spring, maple. \$25. 744-3744.

BROADLOOM RUG - 9 x 12, wool, cut pile, blue-green. \$60. 473-2614.

POOL - 12' x 36", needs liner. \$35. John, Ext. 4129, 744-1845 after 6.

DRYER - Hoover portable, no venting. \$65. John, Ext. 4129, 744-1845 after 6.

MEN'S BIKE - 10 spd, Columbia, almost new. \$55. Gordon, Ext. 4613.

HAMSTER CAGE - & accessories, habitrail, like new. \$8. A. Romano, Ext. 4024.

POOL TABLE - 4 x 8 slate w/all accessories, best offer over \$150. John, Ext. 4129, 744-1845 after 6.

TANDEM BICYCLE - New, front baby carrier, mirrors & lights, brand name. \$150. 277-1284.

DINETTE SET - Howell, formica top, 36" x 47", extra leaf & 5 chairs, excel cond. \$75. 475-8658 after 7.

BABY ITEMS - Rex stroll-o-chair combo & others. R. Evans, Ext. 3044.

SMALL POOL - 10' x 2' w/pump, studio couch; chair; table, chrome; dressers; assorted toys. 164 Wood- acres, E. Patchogue, 286-3944.

B&D SAW - Portable w/accessories. \$20. 744-5871.

VACUUM CLEANER - Heavy duty, used once; various lighting fixtures. Ext. 2487.

DINING ROOM - Mahogany, includes buffet, china closet, table, 4 chairs, excel cond. Ext. 2487.

SLANT BOARD - Exercise cycle w/odometer & speedometer, excel cond. Ext. 2487.

SINGER SEWING MACHINE - Console, new; portable sewing machine, new; small typewriter. Ext. 2487.

HEADBOARDS - 2 single rattan, new; chairs; assorted small tables; bookcases. Ext. 2487.

DINETTE - Copperton, 6 chairs, 36 x 60, good cond. Ken, Ext. 4003.

VACUUM CLEANER - Small GE hand model w/tools, \$15; floor polisher, \$4; men's hair dryer/styler, new, \$3; encyclopedia set, Funk & Wagnel, \$10. Ron, Ext. 4310, 3206 eves.

LAWN SWEEPER - Parker, 26" excel cond. \$15. 289-0413.

GE CLOTHES WASHER - Timer & mixing valve problems, washes well, any offer. Don, Ext. 4618.

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

TRUNK - Round top wood, excel cond, over 100 yrs old. \$100. 473-0178 eves.

3 TABLES - Set, cocktail w/2 matching end tables, excel cond. \$145. 286-8517 after 5:30.

ENGLISH PRAM - Marmett, 3 yrs old, \$150 new, asking \$20; men's set Wilson golf clubs, 3 yrs old, excel cond, \$80. Ext. 2910, 286-1541.

WALNUT BUFFET - Danish modern; liquor cabinet w/china display combination, \$125; candelabra chandelier. 581-8199.

MAGAZINES - Playboy, New Yorker, Punch, etc, reasonable offer. Bernstein, 286-1339.

WELSH MARE - Registered, grey, well mannered, sound, will make excel pony hunter, drives, raced, 12.1 hands. \$650 firm. 862-8084.

HORSE - Chestnut quarter horse, hunts & drives, shown successfully, excel horse for child to show, 15 h gelding. \$800. 862-8084.

DINETTE SET - For 6, formica table, very cheap. 289-0795.

### 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

WATERFRONT PLOT - For recreational vehicles in Luxury Park, Florida Keys. Sacrifice \$14,500. L. Golsong, 5416 Isabelle Ave., Ft. Orange, Fla, 32019. (904) 676-5040.

MIAMI FLORIDA - For sale or rent, 2 bedrm, 2 bath condominium, w/w carpet, balcony, ultra modern kitchen, pool, gym, sauna, tennis, covered parking. \$26,000/\$250 month. 265-2889 after 6.

CENTER MORICHES - 2 bedrm ranch, corner plot, water view, beach rights, 15 min from lab. \$28,000. Bugart, 289-1568 after 6.

BROOKHAVEN - Colonial, 4 bedrm, 2 1/2 baths, 2-car garage, full basement, fireplace in large living room, formal dining, country kitchen, den, 3/4 wooded plot, Middle Island school district. \$51,500. 286-0158.

BELLPORT/E. PATCHOGUE - Impressive center hall colonial, 24' living room, dining, 4 double bedrms, 2 1/2 baths, family room w/fireplace, basement, 2-car garage, heavily wooded 3/4 acre, beach rights. Reduced \$53,900. 286-3944.

MANORVILLE - 3 bedrm custom built ranch, wooded area, secluded. 727-5339.

GLEN COVE - Impressive center hall colonial, large living room, dining, 3 double bedrms, 2 baths, family room w/fireplace, basement, 2-car garage, heavily wooded 1/2 acre, private beach. \$80,000 firm. 676-8396.

### For Rent

SHOREHAM NORTH - Furnished house, 2-3 bedrm, 1 1/2 baths, 2-car garage, wooded acre on Sound cliff, beach rights, avail Aug. 24, 1975 - Sept 1976. Claus, Ext. 4846, 744-2017.

BELLPORT - 3 bedrm furnished house on 1 1/2 acres, near bay, available for 1 yr from Sept 1, 1975. Ext. 4581, 286-8639.

FURNISHED ROOM - Kitchen privileges. Ext. 3800. 585-3794.

DUPLEX - 2 bedrm apt w/basement, 5 min to lab. \$280/month includes heat. 581-2909.

CENTER MORICHES - 2 bedrm ranch, water view, beach rights, available Oct '75. Bohart, 289-1568.

TO SHARE - W/another gal nicely furnished 2 bedrm, 2 garage house in Yaphank. E.M. Franz. 924-5294.

BELLPORT - Luxurious waterfront house, privacy, beach deck & dock, paddle tennis/skating court, furnished & equipped, 4 bedrms, study, kitchen w/new washer, dryer, dishwasher & 2 oven stove. Avail Sept 15 - June 15. \$400-\$500/month. 286-8744, 286-1017.

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.

HOUSE TO SHARE - 7 miles from lab. Jack, Ext. 4255, 289-6708.

### Wanted

USED VW'S - Any year, any condition, also used VW parts for sale. Mike, 281-3460.

MOTORCYCLE ENGINE - 500cc or larger for Sazuki, will trade 350 Honda for engine. Mike, Ext. 4270.

2 BEDRM FURNISHED APT/HOUSE - North Shore or middle of LI; we are good tenants, have references. Ext. 3609.

VOLUNTEERS - For mid-Brookhaven unit American Cancer Society, 1 hr/month to help conquer cancer. 420-1111, Ext. 32.

BICYCLE - 16" child's model. 286-9471.

WHEELS - 2, 24" or 26" bike wheels, any condition, broken or missing spokes okay. Fran, Ext. 4167, 928-1075.

WOMAN - Prefer on site, to care for my 3 1/2 year old, 2 afternoons/week. R. Evans, Ext. 3044.

HOME - For Siamese mix kittens, male & female. 6 weeks old. Olness, 751-2655.

PHOTOGRAPHIC ENLARGER - & equipment. Bob, 744-4984.

3 BEDRM HOUSE - To rent on permanent basis, needed by Sept, near Lab, up to \$300/month. Norma, Ext. 2456, Pauline, Ext. 2238, 727-4918 after 5:30.

USED FREEZER - Upright or chest. Ken, 289-8212.

AVIARY - Or large bird cage for 2 doves. Doris, Ext. 3488 or 924-4143.

### Carpools

EAST ISLIP - 2-man carpool desires members. 8:30-5. Jake, Ext. 4532.

### Lost and Found

FOUND - Stamps in optician's office in Bld. 535. Call Viola, HP & S, Ext. 4267.

FOUND - Gold wire dangel earring. Fran, Ext. 4167, 928-1075.

### Services

PIANO LESSONS - Experienced teacher (B.M.) 5 min south of Lab. Maria, 924-3303.

AUTO PAINTING - Do your car a favor, only \$89.50, repairs also. Bob or Lou, 727-9669.

GARAGE SALE - Sat, Aug 23, 9-5, furniture & misc. 379 Greene Ave, Sayville.

DOG OBEDIENCE CLASSES - Beginners - advanced. For information, call Ext. 4636.

ASPHALT PAVING - Bob, 475-4382.

PAINTING - Interior & exterior, experienced. Jerry, 475-5591 before 3.

YARD SALE - Fri & Sat, Aug 22 & 23, many misc items, fishing gear, baby furniture, strollers, backyard swing set, etc. Dan/Pat, 277-1284.

MUSIC FOR ALL OCCASIONS - Anne, Ext. 3336.

PAINTING - Interior & exterior, seamless guttering, college seniors, 5 yrs exp. many references. 751-6431.

YARD SALE - Aug 23-24, Stony Brook, 31 William Penn Dr, desk dresser, pool table, odd furn, etc. 751-2655.

VW MECHANIC - Dealer trained, lowest prices, guaranteed work. Fred, 924-3556.

FISHERMAN - Do you want your catch deliciously smoked? 744-9411.

### Classified Ad Policy

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

1. The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.

2. All items for sale or rent must be the advertiser's property.

3. Ads for material acquired for resale in association with a full or part-time business cannot be accepted.

4. Firearms offered for sale or trade may not be brought on site.

5. Ads not carried because of space restrictions will be held for publication in the next issue.

6. Ads are run only once and must be resubmitted if they are to be repeated.

7. 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).