



BROOKHAVEN BULLETIN

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21st Visitors' Day An Atom Smashing Success



One of the most popular demonstrations was performed at the Tandem Van de Graaff facility. In addition to a short lecture about low energy physics research, several scientific principles were shown. For a finale, a rubber balloon was filled with sulfur-hexachloride and tossed into the crowd of onlookers.

Visitors' Day Wins Approval By 6000

It was an unusual sort of an event for last Saturday. 6000 people were gathered in one spot all willing to listen and learn, and not a single politician made a speech.

Just like the politicians though, the Visitors' Day committee worried about the weather. Voters and visitors are both reluctant to come out in the rain.

But the pre-event campaign was a success. Tickets had been sent out in great numbers, and if all conditions were right, over 5000 would show up to cast their vote for BNL.

Saturday dawned a bit cloudy with occasional patches of sunlight and temperatures in the warm 60's. The crowds arrived in a slow but steady stream, and before the day had ended, the 6000 total had been reached.

"The crowd," according to Ginnie Sayre, "was one of the nicest we ever had." The feeling of the crowd was best expressed by one ten year old boy who observed, "Wow! This is better than the World's Fair."

The volunteers who worked that day were enthusiastic from the start. They knew they were ready, and they were reasonably sure it wouldn't rain. Their enthusiasm was amplified whenever a visitor would stop and complement one of the staff for the good show being put on by the Lab. According to one of the volunteer workers, "It is important that we make ourselves available to the public like this, especially in these parlous times."

The feeling carried over too into areas that are not immediately visible. The carpenters, painters, riggers and electricians who worked for weeks in advance putting the exhibits together, painting signs at the last minute, and taking down fences on Monday in a drenching rainstorm.

Dr. Maurice Goldhaber, Laboratory Director, sends this personal message to the hundreds of people who worked so hard to make the two Visitors' Days a grand success: "I wish to extend my personal thanks to all who gave so generously of their efforts this year, and who helped to welcome the public to the Laboratory. We all share the desire to broaden the understanding of our visitors, and hope they leave with a better appreciation of the research we do, as well as the people who work here. Thank you for joining in this successful venture."

According to Mrs. Sayre, in charge of Special Programs, "Everyone working at Headquarters was impressed with how cheerfully people worked outdoors directing traffic, or volunteered to run the movie 'just one more time,' or told visitors where they had parked their car (hoping they were right) - the list would be endless. Some people have told me they are already making plans for next year and have suggestions to talk over with me. It looks like I'm already behind time for 1971!"

Craft Apprentice Applications Ready

Deputy Director George H. Vineyard has announced that applications will again be accepted for the Laboratory's Craft Apprentice Program.

This program, which began last year, currently employs six apprentices who were selected from among Laboratory employees to receive specialized training in the refrigeration/air conditioning and electrician trades. This year up to five additional employees will be selected for training in the machinist and electrician trades.

During his four-year training period, each apprentice will be given on-the-job training and will be required to complete a course of formal study related to his trade. Candidates will be chosen by selection panels for each of the trades being apprenticed, with preference being given to employees who have a year or more of service with the Laboratory.

Applications for the program will be accepted from any employee whose present base pay is no more than the going rate for labor grade seven (\$160.80 per week).

Full details of the Craft Apprentice Program are available through the counseling services of the Personnel Office, 58 Brookhaven Avenue. Interested employees may call Extension 2513.

Last Call For Parents

This is the last call for Brookhaven employees to have their children apply for the 1971 AUI Trustee Scholarships. Deadline is November 15 for receipt of the applications at Educational Testing Service. Please request an application form from the Office of Scientific Personnel, 40 Brookhaven Avenue, for any high school seniors in your family who wish to compete.

Winter Is Coming

All the Laboratory vehicles have been prepared for the season: snow tires, heaters, and antifreeze included.

The automotive maintenance shop requests that no water be added to cooling systems except in emergencies, and, if such an emergency occurs, that they be notified so antifreeze protection can be assured. Your cooperation will be appreciated.

Transportation . . . Present and Future



Seventeen transportation experts from Germany visited the Lab last Friday to tour facilities and to talk to Brookhaven scientists who are working on the concept of a magnet-propelled train. Gordon Danby, Accelerator (left) explains the magnetic train concept to Dr. Hubert Hochbruck and German Consul Dr. Richard Achenbach. Jim Powell, DAS, is at right. In addition to a tour of the AGS and the HFBR, the transportation men held an informal seminar with Powell and Danby in Berkner Hall.

Colloquium at Berkner

The Physics Department will sponsor a colloquium entitled The Final Collapse of Santorini (Thera) 1400 B.C. or 1200 B.C.? by Leon Pomerance on Tuesday, November 10. It will be held at 3:30 p.m. in Berkner Hall. Coffee will be served at 3 p.m.

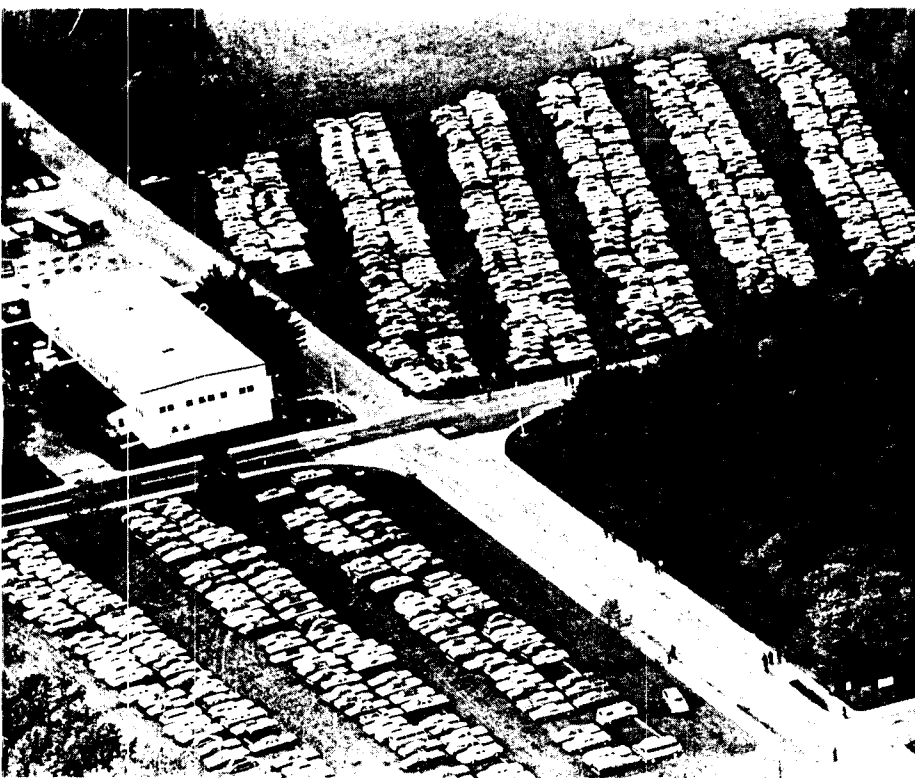
Coming Attractions

- 11/10 BERA Concert - Ronald Roseman
Berkner Hall - 8:30 p.m.
- 11/11 Navy Meeting - Film: The Deep Frontier,
Conquering the Sea
Brookhaven Center - 7:30 p.m.
- 11/12, 13, 14 The Lion in Winter
BNL Theatre - 8:30 p.m.

— Visitors' Day Pictures —



For the second year, a highlight of the display for Visitors' Day was the Lunar Sample exhibited in the lobby of the Chemistry Building.



More than a thousand cars are visible in this air view taken at noon on Saturday. Cars were parked in the field near the meteorology towers (at top), in the field between the Theatre and the Carpenter Shop (bottom) and in the cafeteria parking lot to the south of Brookhaven Avenue.

**Moratorium Movie
This Monday Night**

The Brookhaven Moratorium Committee will present a half-hour film "Vietnam: How Did We Get In? How Can We Get Out?" at the North Room of the Brookhaven Center on Monday, November 9th. In the film, David Schoenbrun, author and CBS Correspondent in Southeast Asia, describes the historical background in Vietnam and discusses a realistic approach to ending the war. He is neither a hawk nor a dove: his only bias is a conviction that our national interest requires an end to the war.

This non-official program is open to all Laboratory employees. Families and personal friends may accompany staff members on this occasion.

New Safety Regulation

A new Laboratory regulation has recently been issued concerning riding in, or on, the bodies of Government trucks, ac-

ording to Dr. V.P. Bond, Associate Director.

Personnel may not be transported in, or on truck bodies, unless they utilize seats when the seats are standard truck equipment installed by the manufacturer, or certified as meeting Laboratory safety standards.

Personnel may also ride in a seated position in the bed of a truck with sides, with their backs against the side or cab of the truck, (but not the tail-gate) provided there is no heavy material in the bed of the truck which could fall or slide on or against them.

The Laboratory Police Department will enforce these safety regulations.

Selected Reading

- Science 170, October 23, 1970
- Nixon's science adviser: Genesis, progress of a surprise appointment. D.S. Greenberg. 417-19
- Tenure controversy: Rejected San Jose engineer is wed to a red. P.M. Boffey. 420-2
- Nobel prize: Three share 1970 award for medical research. S. Udenfriend and A.R. Martin. 422-4

**BERA Concert Features
Ronald Roseman**

The BERA concert season will begin with a recital by the oboist Ronald Roseman on Tuesday, November 10, at 8:30 p.m. in Berkner Hall.

Ronald Roseman has established his reputation here and abroad as an oboe virtuoso and teacher. He has toured as oboe soloist in the Far East under the sponsorship of the U.S. State Department, and has appeared in New York City in Philharmonic Hall, Carnegie Hall and Town Hall as soloist and in recital. Since 1961 he has been oboist with the New York Woodwind Quintet, with which he has toured extensively. He is also a member of the New York Pro Musica and a founder of the Galliard Baroque Ensemble. He has played with such notable ensembles as the New York Philharmonic, the Casals Festival Orchestra, the Alexander Schneider Chamber Orchestra and the RCA Victor and Columbia Symphony Orchestras.

Accompanied on the piano by Gilbert Kalish, Mr. Roseman will present works by Telemann, Schumann, Hindemith, Saint-Saens and Henry Cowell.

Save by buying season tickets at \$13.00 for employees and family members, \$6.50 for persons under 18, and \$15.00 for visitors. Single admissions are \$3.50, \$1.75, and \$4.00, respectively.

Tickets for individual concerts may be purchased in advance at the Recreation Office or at the door the night of the concert.

Cafeteria Menu

Week Ending November 12, 1970

Friday, November 6	
Clam Chowder	
Fish'n Chips w/Tartar Sauce	.70
Grilled Chopped Beefsteak Smothered w/ Onions & 1 Veg.	.80
Shrimp Creole on Steamed Rice	.85
Monday, November 9	
Cream of Tomato Soup	
Round Roast of Beef w/Gravy & 1 Veg.	.80
Veal Pattie Parmigiana w/1 Veg.	.80
Frankfurters w/Baked Macaroni	.70
Tuesday, November 10	
Chicken Gumbo Creole Soup	
Salisbury Steak w/Gravy & 1 Veg.	.80
Chicken Patties w/Cream Sauce & 1 Veg.	.80
Pepper Steak on Fluffy Rice	.85
Wednesday, November 11	
Vegetable Beef Soup	
Roast Leg of Lamb w/Mint Jelly & 1 Veg.	.80
Roast Chicken w/Stuffing, Cranberry Sauce & 1 Veg.	.80
Poached Filet of Sole w/Shrimp Sauce & 1 Veg.	.90
Thursday, November 12	
Minestrone Soup	
Pot Roast of Beef w/Gravy & 1 Veg.	.85
Ham Steak w/Pineapple Ring & 1 Veg.	.85
Braised Chicken Legs w/Barbecue Sauce & 1 Veg.	.80

Service Awards — November

Twenty Year	
Clausen, Sigmund H.....	Central Shops
Scarlett, Clifford H.....	Applied Science
Schmidt, Robert D.....	Physics
Ten Year	
DeVito, William A.....	Physics
Easler, Dean.....	Accelerator
Fairchild, Thomas L.....	Accelerator
Francis, William M.....	Plant E&P
Hahn, Harold.....	Accelerator
Jacobsen, Vivienne.....	Accelerator
Lehman, William P.....	Medical
Lundgren, Robert E.....	Mech. Eng'g.
Shellabarger, Claire J.....	Medical
Tivers, Richard J.....	Applied Science

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CARL R. THIEN, Editor
CLAIRE LAMBERTI, Editorial Assistant

40 Brookhaven Ave. Upton, N.Y. 11973
Telephone 516 924-6262 Ext. 7238

NORBERT J. DERNBACH
Public Relations Officer

**Letters
To The Editor**

Dear Sir:

The Callagy and Ostrom families wish to express their deep appreciation for the blood donations and concern, given and shown by so many friends and co-workers at BNL.

I am happy to report that the operation was a huge success, and my sister is doing just great.

Robert L. Ostrom

Dear Sir:

As a member of the staff who worked both of the recent Visitors' Days, I would like to comment on the way the food service was handled this past Saturday. Apparently the management of both the Cafeteria and the Laboratory is responsive to the wishes of the employees as well as the public.

I spoke to several of the visitors who had just finished eating in the Cafeteria and learned that they all agreed that the food was of good quality and reasonably priced. The cafeteria people were courteous and helpful, and the lines for service were not as long as they were on the first visitors' day.

In any event, when a cafeteria can serve more than 5000 people in the space of a few hours and have them satisfied after having finished, I think they deserve a vote of thanks from all of us!

Well Fed

Hospitality News

All wives and all female employees are invited to attend the Tea & Sherry Party on November 17, 3 to 6 p.m. at the Brookhaven Center (employees should attend outside of working hours). Fashions by Martin's will be featured. Please consider this as your personal invitation in case you didn't receive one in the mail or your husband forgot to bring it home.

Child care will be provided free of charge in the gymnasium, 3 Center Street.

Don't miss your chance to see first hand what is winning in the current fashion race - midi, mini, or somewhere in between.

Arrivals & Departures

Arrivals

Ronald D. Finn.....	Chemistry
Benedetto Randazzo.....	P.E.P.

Departures

Bruce W. Bigelow.....	Mech. Eng.
Robert J. Bores.....	Biology
Alice J. Burton.....	Biology
Joaquin Canton, Jr.....	Security
Harold W. Koenigsberg.....	Physics
George S. Lowe.....	P.E.P.
John D. Mann.....	Physics
Alberta V. Parker.....	Staff Services
Lydia Schlichteroll.....	Staff Services
Michiko Shibata.....	Biology
Vivien A. Soo.....	Medical
Coles J. Williams.....	P.E.P.
Henry J. Zukowski.....	P.E.P.



Alley Cat - waltz or what have you? The orchestra is ready if you are ready to dance tomorrow night from 9 p.m. when the Age of Aquarius starts at BNL.

Football Awards Dinner



The champion "Gazelles" pose with their trophies after award ceremonies had been completed. In the front row, (left to right) are: Captain Jim Hooper, Ed Gill, and Joe Manzi. The rear row is composed of: Dave Schweller, Bill Crockett, Gary Hughes, Bob Casey, and Greg Ogeka.



Bob Barone and his kitchen working committee outdid themselves in preparing a fine Italian menu. Some of the above footballers are shown being served hefty portions of spaghetti and meat balls.

Zodiac Dance Friday

Dancing: 9 p.m. to 1 a.m.
 Where: The Gymnasium
 Admission: \$2.50 for BNL'ers
 \$3.00 for Friends

Buy your tickets at the door, or, if you prefer, you may make a reservation at the Recreation Office up to 2 p.m. tomorrow.

Music by Wayne Foster Orchestra
 Decorations by Camping Club
 Come See Our
 Age Of Aquarius
 Friday

New Cookbook On Sale

Orders are now being accepted (accompanied by cash or check for \$2.10) for **The Glorious World of International Cookery, Volume II**. You may place your order at the Recreation Office or at the meetings of the Cooking Exchange. The cookbook is expected to be ready for delivery on November 24.

The new volume has been compiled by the BERA Cooking Exchange and includes recipes demonstrated at their bi-monthly meetings at the Recreation Building. Its flavor is indeed international as it contains exotic as well as standard recipes from this and many other countries.

The first cookbook, **The Glorious World of International Cookery, Volume I**, published in 1965, became BNL's first best seller as over 1,000 copies were purchased by employees and friends. Don't miss out on this one - place your order now!

The officers of the Cooking Exchange, Josette Auerbach, Jacqueline Newman and Terri Pettinger, have industriously and lovingly assembled Volume II and do hope you enjoy it.

Cooking Exchange

- November 5 - Punch and Cookies
- November 19 - Thanksgiving Dinner
- December 3 - Open
- December 17 - Christmas Party

The Cooking Exchange meets every other Thursday from 3 to 5 p.m. in the Apartment Area Recreation Building. A fee of 75¢ is collected from each adult to defray the cost of cooking demonstrations and babysitters.

Football Finale Fun

It was BNL Football Night at the Recreation Building last Thursday evening as all the League participants were invited to a special party to toast the close of the season.

All members of the League were invited to enjoy a free spaghetti dinner, barrels of beer, and football and Olympic films.

In addition, the new BERA Awards Committee was on hand to make the awards presentations. The Committee, whose members include Chairman Robert Fuchs, Jim Hooper, Charles Flood, Eena-Mai Franz, George Latham and Jerry Weiss, gave the footballers a preview outline of the soon to be announced "New Awards Program" which will include merchandise awards, jackets, sweaters, etc.

Football Chairman Bob Barone was vigorously applauded for his fine administrative efforts during the season and his success at cooking the miles of spaghetti and the cauldron of meatballs and sauce.

The Championship Team "The Gazelles" was captained by Jim Hooper and included Bill Crockett, Andy Fogarty, Ed Gill, Gary Hughes, Joe Manzi, Gregg Ogeka, Dave Schweller, Les Lawrence and Bob Casey.

Bowling News

Grace Fales

Red League

The Old Timers have eased the Alphas out of 1st place with their steady bowling. Ralph Nelson again beat his high scratch game with a 256, giving him a 191 average. 200 Club for the night - N. Combatti 240, W. Deams 224, N. Anderson 219, N. Parrinello 214, J. Berech 210, and R. DeGregorio 207.

Green League

Highs for the night were reported as J. Weiss 210, H. Dawson 201, J. Lauber 201, C. Zavesky 201, B. Kristiansen 213, and R. Larsen 214/595 series.

Pink League

With the season well under way, the Pink League is in a close race for 1st place - it's anybody's ball game. Last week the Pinsplitters (now in 3rd) nudged the Medigals out of 1st and into 4th by taking all 7 points. "Ye Ole' Bio Boozers" moved back into 1st by taking 7 from the Alley Oops. The Hopefuls are in 2nd, with only 5 points separating the first 4 places. Pat Oster stole the show this week with a 209/493 series. Other highs were Marge Stoessel 187, Grace Fales 177, A. Kirkpatrick 169, Lillian Hillerud 165, Betty Jellet 172, Marie Brenner 167, and Audrey Bangel 156.

Black and Blue League

The big news of the evening was Willie Quinn's winning a Cadillac - Bruce promised to buy her one for converting the 5-10 split. The League leaders had their moment of truth and the AR's swept the Pacesetters to return to 1st place. Ben Belligan rolled a 514 series, and Dick Murgatroyd a 511 series. Carol Baker had a 160/401 series.



BNL Theatre Nov. 12, 13, 14, 1970
 Curtain Time - 8:30 P.M.

Please Note: You have just *one* weekend in which to see this production of a highly stylized introduction to a raucous holiday with royalty.

The Lion in Winter introduces them at dagger's points - strictly conversational - over the question of which of their three sons shall be named as the succeeding Crown Prince. In a burst of assumed gaiety on her arrival, Eleanor gestures toward the hostile sons and says to Henry "Let's deny them all and live forever" - to which Henry replies sarcastically "Tusk to tusk through all eternity?"

For all their estrangement, this pair still have an attachment for each other, made up in shifting parts of love and hate. They are compelled continually to goad each other with flagrant accusations and sleekly-worded insults, so that both have become greatly accomplished in invective.

Remember - just one weekend to come and enjoy.

Engrossing stuff at any season - this story of a veritable lion at bay on a Christmas-tide against his sons' attacks and their mocking mother.

