

# BROOKHAVEN BULLETIN

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BROOKHAVEN NATIONAL LABORATORY



-Photo by Ed Kush

## Season's Greetings



-"Popsicles by the Sea" by Irv Meyer



-Photo by Tom Luhman



-Photo by Tom Luhman



-Photo by Janet Hoefling



-"Snow Waves" by Irv Meyer



The Cleveland Quartet relaxes prior to a performance (from left): Donald Weilerstein and Peter Salaff, violins; Paul Katz, cello; Atar Arad, viola.

## Cleveland Quartet

The BERA Concert Series is now in its thirtieth season, making it one of the oldest — if not the oldest — chamber music series in Suffolk County. The second performance in the 1980-81 BERA Concert Series, in which the Cleveland String Quartet will play a program of quartets by Mendelssohn and Bartok, will take place in Berkner Hall on Tuesday, January 6, at 8:30 p.m.

Founded at the Marlboro Music Festival in 1969, the Cleveland Quartet has been acclaimed by the press and concert-goers worldwide as one of the great string quartets of our time. In the past five years, their RCA releases have won national recognition, including several Grammy nominations and Best of the Year awards from *Time* magazine and *Stereo Review*.

The 1978-79 season marked the Quartet's tenth anniversary, which was celebrated by a series of three concerts in Carnegie Hall, three radio programs dedicated to the Quartet on Karl Haas' nationally syndicated "Adventures in Good Music," and RCA's twelve-record release of their complete quartets of Beethoven.

Violist Martha Strongin Katz recently retired from the Quartet in order to meet the needs of the first child born to her and her husband, Paul Katz, the cellist of the Quartet. Atar Arad replaced Ms. Katz last June

at the Aspen Festival and has been the violist of the Quartet since.

Dedicated teachers as well as performers, they are members of the faculty at the Eastman School of Music. They have been the Quartet in Residence at the Aspen Music Festival for the past seven summers. The Cleveland Quartet last performed in Berkner Hall during the 1971-72 season.

On the program for the Cleveland Quartet's BNL performance are the Mendelssohn Quartet in A minor, Opus 13, a work dating from the period of "A Midsummer Night's Dream" and the Octet. It is perhaps the most moving of the composer's quartets. It shows the influence of Beethoven's Opus 132 Quartet in the same key, which Mendelssohn had heard at its first performance and which had made a profound impression on him. The little known Fuga in E flat from the same period; the Quartet in D major, Opus 44, No. 1, the latter Mendelssohn's personal favorite; and Bartok's monumental Fifth Quartet round out the program, our first in the Bartok Centennial Year.

Tickets are \$6 for adults, \$4 for students and senior citizens, and \$3 for those under 18. For tickets and/or information, call Ext. 4643 or 2873.

## Season's Greetings

We'd like to extend greetings of the season to all our readers and a special thanks to the BNL photographers who have shared their art with us on the front page of this issue. Janet Hoefling (Public Relations), Ed Kush (DEE), Tom Luhman (DEE), and Irv Meyer (Chemistry) have captured the stirring scenes and stimulating sports that epitomize this winter season.

### Bulletin Schedule

There will be no *Bulletin* next week because of the Christmas holiday. The next *Bulletin* will be distributed on Wednesday, December 31, 1980. All items for that issue, including classified advertisements, must be in the *Bulletin* office by 4:30 p.m. on Tuesday, December 23.

## Nursery School

The Upton Nursery School announces openings for new enrollment in January 1981. Among other openings, there are several places available in the three session per week class for three year old children.

The Nursery School offers preschool experience for a child whose parent or relative is an employee of BNL or is a Laboratory visitor. There are separate classes for three- and four-year old children. Classes meet two or three mornings per week. An established car-pool system is in operation. Tuition fees are \$40 per month for the three-day classes and \$27 per month for the two-day classes.

Interested parents should call Karen Brunschwig, enrollment chairperson, at 924-0030, or Colin Stewart, President, at Ext. 4154 or 286-9616 for more information.

## United Effort For United Way

In this season of giving, BNL employees were more generous than ever before. Almost 1100 people brought the total Lab donation to the 1980 United Way campaign to \$48,062 an increase of more than \$6,300 over 1979 and contributions are still coming in!

Perhaps some of the increase in donations can be attributed to an increased awareness that the United Way returns these monies to people in need through the agencies it supports. One employee's testimony to this fact is illustrated by the story in the box at right.

While Ernie Jochen, campaign chairman, emphasized that "the family of BNL employees was united in this effort," there were some noteworthy achievements. For still another year, Contracts & Procurement and Fiscal led the Lab with 100% participation. Harry Klein and Josephine Gazzola were the coordinators for the respective groups, which will co-share the BNL Director's Award. With a participating percentage of 98.04%, the Director's office merits honorable mention. Also commendable is the 158.54% positive change in contributors from the Department of Energy and Environment. Ann Mauro and Betty Pergan, respectively, coordinated the efforts in those two groups.

### CREF Values

September	44.60	October	41.18
November	42.56	December	43.19
January	45.37	February	44.59
March	40.33	April	41.82
May	43.70	June	44.81
July	47.84	August	48.04
September	48.75	October	49.13

November \$53.19

### Safety Equipment

During the upcoming holidays, safety glasses and safety shoes are on the following schedule:

Safety Glasses — *Open* Wednesday, December 31.

Safety Shoes — *Open* Mondays, December 22 and 29.

## Two Conferences Held at BNL

As the site of two important conferences last week, BNL played host to a number of distinguished guests.

### Biology Of Fermentations

"Trends in the Biology of Fermentations for Fuels and Chemicals" was the subject of the symposium held December 7-11. This conference which was supported by the U.S. Department of Energy and the National Science Foundation/Metabolic Biology Program, was organized by a committee chaired by Dr. Alexander Hollaender of the Council for Research Planning in Biological Sciences with members from AUI, DOE, USDA, NSF, and the Universities of California, Georgia, Illinois and Indiana. The Biology Department hosted the symposium with the assistance of Helen Z. Kondratuk who coordinated the conference details on site. The symposium was attended by 150 visitors from all parts of the world.

The symposium was concerned with the bioconversion of biomass to fuels and chemical feedstocks by fermentation methods; for example, the production of ethanol from grain. This symposium was organized to review contemporary knowledge and

### Our Little Miracle

When the 1980 United Way campaign began, many BNL'ers found out what the program is all about by watching a film called "The Little Miracle." Starring Mickey Rooney, the movie centered on a working man whose wife became ill. With the help of agencies supported by the United Way, his wife received home care and his children were taken care of during the day.

This movie probably helped to convince many employees to give. And, for most people, filling out the pledge card completed their business with United Way for 1980. But for one Lab employee, who has always been a contributor, this could not be the case.

Just before Thanksgiving, in the midst of the campaign, this employee's wife fell down the cellar steps, breaking both her arms. Our employee found himself in much the same position as the worker in the film and badly in need of a "little miracle."

The United Way was contacted about helping to provide home care for the employee's wife. "They acted very fast," said Ernie Jochen, campaign chairman. "They made contacts and arrangements with the Home Care Service in Huntington to have an aide visit the family out east." While this service is not free, because of United Way support, it is inexpensive.

Our employee is more than satisfied. The aide comes every other day for four hours. The rest of the time, the employee's mother and a neighbor help out. "When it came down to it," he said, "they really showed their true colors. It's great that there is an organization that will give back. This is truly a program that's worthwhile."

## Kayaking Anyone?

The BNL Mountain Club will again run kayaking lessons during the winter on Sunday mornings in the Lab Pool. There will be an open house from 10 a.m. to 1 p.m. on Sunday, January 11 for those who are curious — bring a swim suit and try! Sign up for lessons at the open house or by contacting Harold Udseth, Ext. 4324 or Dick Watson, Ext. 3788.

advances in fermentation and to indicate new directions for investigations to improve the bioconversion technologies of the future.

### Computer Simulation Studies

A discussion meeting on "Computer Simulation Studies of Two-Dimensional Phase Transitions" was held December 11-13. The 44 attendees shared the results of their numerical experiments on two-dimensional systems. These experiments involve the formulation of mathematical models which are set up on a computer and used to simulate real materials and to test theories of their behavior. Other topics of discussion included computer hardware and directions for the future.

Organized by John McTague of UCLA and Victor Emery and Martin Blume of the Physics Department, the conference was held at BNL because it was a mid-point for the international group. Conference secretary Jane Schwaner handled the organizational details of the conference on site.

# BROOKHAVEN BULLETIN

Published weekly for the employees of BROOKHAVEN NATIONAL LABORATORY

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## Arrivals & Departures

### Arrivals

Avery C. Dennis, Jr. .... Safety & Env. Prot.  
David R. Dougherty ..... Physics  
Louis J. Integlia ..... Safety & Env. Prot.  
Bom Soon Lee ..... Nuclear Energy  
Evelyn P. Gause ..... Nuclear Energy

### Departures

Michael J. Sansone ..... Energy & Env.  
Clarence A. Terry ..... Plant Engrg.  
Govind R. Vinjamuri ..... Energy & Env.

## NYC Train Trips

The Hospitality Committee's group LIRR trips to New York City during 1981 are scheduled as follows:

January 21	July 1 & 15
February 4 & 18	August 5 & 19
March 4 & 18	September 2 & 16
April 1 & 15	October 7 & 21
May 6 & 20	November 4 & 18
June 3 & 17	December 2, 16, & 30

The train for the city departs the Patchogue LIRR station at 7:55 a.m.

## Holiday Hints

These timely tips were provided by Cornell University.

### Gift Plant Care

To retain the attractive appearance of gift plants, give them the best care possible. Keep them cool, with a temperature of 70°F during the day and 60°F at night. When the temperature is warmer, plants may stop flowering rather soon and become drab in color or drop their foliage.

A humid atmosphere is best. Setting the pots on crushed stone or gravel in a pan of water will help plants. The water will evaporate and increase the humidity of the air around the plants. Do not set the pot directly in the water or the soil will become too wet.

Flowering plants should receive as much sun as possible during the day, but should not be in a hot southwest window. Do not locate plants on the TV.

Water gift plants regularly. They will use more water in a dry home than they did in the greenhouse. Apply enough water to keep soil moist and keep them out of drafts.

### Decorations From The Garden

Many ornamental evergreens and shrubs with berries are excellent sources of material for making holiday decorations. Greens from a garden will remain fresh and provide variety for wreaths and holiday table arrangements.

Pruning yew, Japanese and American holly, juniper, false-cypress, arbor-vitae, and red cedar provides lovely greens. This pruning during the holiday season won't stop new growth from the tips, but the plant will be more compact next year.

## Retiree



Mort Rosen

Alfred Texeira retires Sunday from his position as Firefighter in the Safety & Environmental Protection Division. He came to the Lab in 1947. He and his wife Ida plan to do a little traveling to Florida and Tennessee. They are also considering a move to Florida but have not yet made a final decision. As Texeira said, "The grandchildren are hard to leave."

## To Your Health!

Andrea L. Brand, M.D., and Caroline Kramer, R.N., Occupational Medicine Clinic, are co-authoring a series of articles dealing with current trends in the medical field. These articles will be published in the *Bulletin* so that employees can gain a better understanding of health maintenance and prevention of disease.

If you are interested in having a particular topic covered, please send your suggestion to: Andrea L. Brand, M.D., and Caroline Kramer, R.N., c/o To Your Health!, Occupational Medicine Clinic, Building 490.

## Drug - Alcohol Interactions

Approximately 2500 deaths occur each year in the U.S. because of the interaction of medication and alcohol. A large number of commonly prescribed drugs have at least one ingredient which interacts adversely with alcohol. Many antihistamines (a common ingredient in cold tablets) and tranquilizers when combined with alcohol can produce a serious loss of judgment and alertness. Alcohol also enhances the effect of many drugs that are taken for high blood pressure, with the potential danger of a sudden and severe drop in blood pressure that might cause loss of consciousness.

Even a small amount of alcohol if taken while on certain medications can produce a serious side effect. If you're on medication (including over-the-counter preparations), check with your physician or pharmacist to see if there are any reasons you should not drink while on this medication. And remember - if you're driving, working with machinery, or working at heights, even a slight loss of judgment and alertness can have serious consequences.

*Have a happy and safe holiday.*

—Caroline Kramer R.N.

## Cafeteria Menu

### Week Ending Dec. 26, 1980

#### Monday, December 22

Mulligatawny soup (cup) .55  
(bowl) .65  
Baked ham w/orange sauce & 1/veg. 1.55  
Beef chow mein & rice 1.55  
Hot Deli - Roast beef (on bread) 1.65  
(on roll) 1.75

#### Tuesday, December 23

Old fashioned lentil soup (cup) .55  
(bowl) .65  
Batter fried steak & 1/veg. 1.65  
Poached filet of fish w/1 veg. 1.50  
Hot Deli - Knockwurst (on bread) 1.60  
(on roll) 1.70

#### Wednesday, December 24

Pot-au-feu soup (cup) .55  
(bowl) .65  
Roast turkey & stuffing w/cranberry sauce 1.55  
Meatloaf & gravy w/1 veg. 1.55  
Hot Deli - 8 foot hero .75 per inch

#### Thursday, December 25

Christmas Day - Closed

#### Friday, December 26

Snackbar Service - 9:00 a.m. to 2:00 p.m.

## Service Awards

The following employees will receive service awards during December:

### Thirty Years

John M. Dioguardo ..... Accelerator  
Norman Nelson ..... Plant Engrg.

### Twenty-five Years

Rudolph M. Funn ..... Staff Services  
Richard E. Hildenbrand ..... Accelerator  
Richard C. Larsen ..... Physics

### Twenty Years

Wilbur V. Bailey ..... Staff Services  
Paul Bezler ..... Nuclear Energy  
Reginald Ellington ..... Plant Engrg.  
Robert C. Kehl ..... Accelerator  
William A. Love ..... Physics  
Philander B. Miller ..... Plant Engrg.  
John C. Rothmann, Jr. .... Medical  
Frances M. Scheffel ..... Nuclear Energy

### Ten Years

Jose A. Lopez ..... Plant Engrg.

## Bowling

### Pink League

Renie Rosati had a great night with a 190/507 series. Other good games were bowled by Marie Grahn 183/174, Helen Keeley 170/162, Mary-Grace Meier 166, Carol Beckner 165/160, Deb Johnson 161/159, Karen Alberico 159, Pat Oster 157/152, Kit D'Ambrosio 156. The Lickety Splits and Book-Ends are still tied for first.

### Red League

The Sandbaggers shut out the Sparks 11-0. R. Meier (219) grossed 646, E. Meier (206) 616, R. Jones 607, C. Bohnenblusch rolled a 203 game. The Old Timers split 6-5 with the Strangers. R. Adams (203) grossed 622, W. Reams 617, F. Pond (209) 649. The 76'ers split 6-5 with the Light Source. T. Holmquist grossed 626. This Isa Team split 5-6 with the Pinball Wizards. M. Iarocci bowled a 222, R. Barberich grossed 606. The Designers took 3 in a match with the Phoubars and the Freon Loaders lost 11 to the Old Timers II.

### Purple & White League

The Diamonds continue in first place with an 8 point lead over the Good Times. High series for the men was bowled by Ken Riker (578) with games of 209/201/168, and for the women, Caryl MacDougall bowled 537 with games of 201/166/170. Other good games were rolled by Ed Meier 213, Ben Belligan 212, Jim Petro 202, Gail Schuman 198, Joyce Pinelli 196, Pat Manzella 189. Lorraine Petro rolled a 517 series with games of 176/181/160 averaging 40 pins above her average.

### Green League

The Pinball Wizards took 6 from Isa Team. The Sparks lost 11 to the Sandbaggers with B. Sick bowling a 224. The Blue Jays, tied for second, took 8 from the Trouble Shooters. The Old Timers II took 11 from the Freon Loaders with L. Musso rolling a 202 and B. Galen 221/222 for a 608 scratch. The Phoubars took 8 from the Designers with N. Tyler bowling a 202. The Light Source could only manage 5 from the 76'ers.

## Hospitality News

Ms. Lizzy Soenarjati will present an Indonesian shadow-puppet show at the next morning coffee which will be held Tuesday, January 6, from 9:30 to 11:30 a.m. at the Brookhaven Center. Ms. Soenarjati will give a brief explanation of the shadow puppet's history, its modern adaptation to western culture and its comparison to three-dimensional puppets.

Please come and bring the children. Coffee, tea and danish will be served.

If the weather is bad (snow or icy conditions) on the day a morning coffee is held, that coffee will be postponed until another day.

## Volleyball

The volleyball season is divided into quarters for the purpose of determining the league championship. The winners of the first two quarters will have a playoff, as will the winners of the last two quarters. The two winning teams from those playoffs will compete for the league championship.

### Standings as of 12/8/80

#### A Division

	Wins	Losses
No Names	12	3
High Society	10	5
Mixed Ups	9	6
Las Bolas	8	7
Kings Court	3	12
Nuts & Bolts	3	12

#### B Division

Leftovers	14	1
LEMUFs	11	4
TNT	9	6
Oh No's	6	9
Puff & Stuff	3	12
Semi-Tough	2	13

