



BROOKHAVEN BULLETIN

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Send A Mouse To College

"Almost every family has been touched by this mysterious disease in some way, either through a family member or a close friend." The disease Bobbie Ivey, Physics, is referring to is cancer.

In January 1973 she was confronted by this mysterious disease when her husband died. Shortly thereafter one of her close friends, Sandy Sandberg who worked in Physics, also died of cancer. Following her husband's death, the American Cancer Society asked her if she would like to become a member and join the battle against cancer.

She accepted the offer and was instrumental in setting up their Mid Brookhaven chapter. To help raise money for cancer research she became involved in the Society's "Send a Mouse to College Campaign." For a donation of 51 cents, the cost of a mouse used in cancer research, you receive a pin with a picture of a mouse wearing a mortarboard on it. In essence, for every pin you purchase you are donating one mouse to a university or research laboratory for use in cancer research.

Bobbie is requesting that the American Cancer Society funnel the donations she receives into funding for cancer research at BNL. Last January and February she sold hundreds of pins and she hopes to sell hundreds more. If anyone would like to make a donation, she can be reached at Ext. 3929 or in room 1-58 of the Physics Building.

Bobbie has been at the Lab for 22 years. She started out in Fiscal but transferred to Physics where she has been for the last 12 years.



Bobbie Ivey works to raise money for cancer research.

Safety Glasses

There will be no dispensing of safety glasses during the weeks of October 7 and October 14 due to the optician's vacation. For emergency dispensing of plano safety glasses, contact the Health Physics & Safety Office, Ext. 4267.

Self-Service Checkout



Jacob Wu (center, with glasses), programmer-analyst for the User Services Group of Applied Math, demonstrates use of one of the many self-service remote job entry terminals to the new Cyber-70, Model 76 system at the Central Scientific Computer Facility. Monday, September 16, was the first day for BNL system testing and conversion. The full system is expected to be operational early in October.

AUI Scholarship Applications Ready

Application forms and critical date schedules for the 1975 AUI Trustee Scholarships are now available at the Office of Scientific Personnel. Completed applications must be sent to the Educational Testing Service no later than November 15, 1974.

Up to ten scholarships will be awarded to children of regular employees of Brookhaven National Laboratory. These scholarships are awarded on a competitive basis and will be renewable for an additional three years or until requirements for the Bachelor's degree in any course of study are completed, whichever is earlier. Selection is made by an independent committee appointed by the Educational Testing Service. The criteria for selection include not only the scores on the Scholastic Aptitude Test and three Achievement Tests, but also the high school record and references, as well as other factors deemed important by the Committee. These scholarships will be granted independent of financial need and without regard to other forms of aid to the student.

In addition, two Affirmative Action Scholarships will be awarded to children of minority employees of BNL, NRAO and AUI. Eligibility will be determined by applicable Federal criteria. Selection will be based on aptitude for higher studies and need for continuing education.

Each scholarship will be in the amount of \$900 per year for up to four years and will be available to students entering an accredited college or university in the United States, whether on regular or advanced standing, and may be used to defray expenses such as tuition, lodging and board, and other expenses directly concerned with the student's education. Students already attending college are not included. The award will be sent directly to the college at which the student has been accepted and will be disbursed in accordance with the

Books Missing From AEC Library

The following books are missing from the Brookhaven Area Office Library. Staff members who have any of these books in their possession should return them to Barbara Fitzgerald, Building 464.

- Abbott's New York Digest - Vol. 19A
- U.S. Code Annotated - Constitution, Admendment 14; Title 42, The Public Health & Welfare, Appendix; Title 42, Section 1-405.
- West's McKinney Forms - Volumes 9 and 10.
- Code of Federal Regulations - Volume 49, Section 1-200, Transportation.
- World Atlas.

First Call For Runners-Cyclists

Plans are underway for an Open BNL five- and ten-mile run and Bike-a-thon to be held on Saturday, October 26.

This year the ten-mile run and Bike-a-thon will possibly also be a challenge race with the Stanford Linear Accelerator Center (SLAC) in Stanford, California. Further details will be reported as soon as committee meetings are completed and plans formulated.

scholarship policy of the college.

To qualify for a scholarship, the applicant must be:

- the son or daughter of a regular employee of Brookhaven National Laboratory who began full-time employment no later than January 1, 1974. The sons and daughters of retired employees or of employees who died when in regular service at the Laboratory are also eligible.
- a secondary school senior who will be graduated during the current academic year and who will enter college next fall.

Light And Heat Costs Skyrocket

Brookhaven Lab's electric bill for the month of August set an all-time record with a tab of \$601,528. Last year's bill for the same month was only \$213,408.

According to Ed Shelton, manager of Plant Engineering, most of the large increase can be attributed to the increase in the fuel adjustment rate. Actual use of electricity (other than power for major experimental machines) during the last fiscal year decreased by 12%, due to a concentrated effort on the part of Lab employees to turn out unnecessary lights and reduce the use of air conditioners.

Since the campaign to reduce the use of electricity was started last year, there has been a steady reduction in use for a total savings of 10 million kilowatt hours annually from the same period a year ago.

The FY 73 average for monthly electric use was 5.6 million kilowatt hours compared to the FY 74 average of 4.9.

In fuel oil use at the Central Steam Plant, the picture also reflects what can be accomplished by a serious effort on the part of the staff to conserve heat. In spite of an increase in degree days over last year, there was a saving of more than 14% in oil use. This amounted to use of 600,000 gallons less #6 oil in FY 74.

At current prices this is a considerable savings in money as well as a scarce commodity. Before the fuel crisis the cost of a gallon of #6 oil was ten cents. The current price is three times as much, 30 cents.

The message in all of these figures is clear. Saving fuel and electricity means saving vitally-needed dollars. According to Plant Engineering figures, there are still many areas where considerable savings can be effected. Continued attention to experimental equipment that is unnecessarily consuming power when not in use will help considerably. Reducing heat in seldom-used areas can cause immediate reduction of fuel use.

In office and lab areas, it is important to continue and to expand attention to wall thermostats. A daytime setting of not more than 68 degrees is adequate, and a nighttime and weekend setting of 60 degrees is most efficient in reducing fuel use without danger of freezing equipment.

While last year was considered to be rather mild, it was colder than the previous year. During FY 73 the total number of degree days was 5,593 as compared to the FY 74 figure of 5,975. In spite of the increase in heat demand, fewer gallons of fuel per degree day were used in FY 74.

New storage facilities at BNL have increased capacity to 50 days for the coming heating season, as compared to last year's capacity of 35 days. Both Meteorology and Plant Engineering caution that Long Islanders have had at least three years of fairly mild winters. Neither would wager that this trend will continue. The only way to lessen the impact of a hard winter is by strict attention to fuel and power saving methods.

EMERGENCY PHONE NUMBERS

Medical	2222
Fire	3333
Police	4444

On Site



Piper Jack Barry

Barbara Fitzgerald has been hearing it for months. It comes in through the windows or her AEC office. She thinks it's "lovely, just lovely." Jack Rothman, Medical, thought he heard it but wasn't sure - until the third or fourth time. "I couldn't believe it - but it's true. There really is a guy playing bagpipes in a parking lot over there (by the Electrical Shop)." They're talking about Jack Barry, a BNL tower lineman and part-time piper.

He practices outside nearly every day. Jack was a drummer in the Suffolk County Emerald Society Band. He decided he'd rather be a piper. "My brother learned the pipes in a year, and heck, I figure I can do it in less." And he might. Last St. Patrick's Day, Barry moved into the pipe ranks of the Emerald Society.

Jack says the national origin of the bagpipes is still in dispute, but they did start with shepherds using reeds and goat bladders to provide music for themselves. "We (the Irish) hate to say it," admits Barry, "but the best pipes you can get are Scottish; the Highland pipes." Does he have any favorite musical pieces? "My favorite ones I haven't learned yet - they're still too complicated. Right now I play mainly parade music. There's better pipers than me on site, for sure - Johnny Keane over at AGS, and Don MacKenzie at Applied Science. I hear there's a machinist at the Tandem that's a piper, too, but I haven't met him yet."

Meanwhile, Jack Barry is still rehearsing in the Electrical Shop parking lot most noon hours. "I'm shy about my ability right now," he says, "especially with an audience; I tend to pack it in, then. I guess I'm really a long way from being a piper."

Barry will be playing at the upcoming Pipers Ball in Patchogue in October - shy or not.

—Humphrey

Cafeteria Menu

Week Ending October 4, 1974

Monday, September 30	
Cream of Mushroom Soup	
Chicken a la King on Rice	1.10
Cheese Omelet & 1 Veg.	.95
Tuesday, October 1	
French Onion Soup	
Chinese Pepper Steak on Rice	1.20
Roast Fresh Ham & 1 Veg.	1.15
Wednesday, October 2	
Split Pea Soup	
Breaded Filet of Flounder & 1 Veg.	1.20
Special - Spaghetti w/Meat Sauce - All You Can Eat	1.00
Thursday, October 3	
Cream of Chicken Soup	
Macaroni & Chopped Beef	1.00
Barbequed Spare Ribs & 1 Veg.	1.20
Friday, October 4	
Fish Chowder	
Broiled Pollock & 1 Veg.	1.15
Braised Beef & 1 Veg.	1.20

Pool Scheduled To Close For Maintenance

The swimming pool will be closed for maintenance from Monday, September 30 through Sunday, November 3. Opening day is scheduled for Monday, November 4 at 11:30 a.m.

Passes for the Winter season, which will extend from November 4 through February 2, will go on sale at the BERA Sales & Services Office in the Cafeteria starting on Monday, October 21.

Season Pass Fees:

Family	\$10
Employee	\$ 5

Oral Cancer Clinic At Brookhaven Memorial

The American Cancer Society, Long Island Division, is sponsoring a free Oral Cancer Detection Clinic at Brookhaven Memorial Hospital, Patchogue on Wednesday, October 2 from 9 a.m. to 9 p.m. There will be hospital dentists as well as many local dentists examining throughout the day, and results of the examination will be sent to the patient's doctor.

Cancer of the mouth area affects 15,000 Americans every year and 7,500 fatally. The majority of those affected are between the ages of 40 and 55. Because of this high rate of death in an area so easily detected, the need for a program of education is important.

Appointments are necessary for the free Oral Cancer Detection Clinic on October 2, so please call Brookhaven Memorial Hospital at 475-5000.

Selected Reading

- Nature 250, August 23, 1974
The changing relationship between science and technology. J. Langrish. 614-16
- New Sci. 63, August 8, 1974
Accidental career. J.M. Smith talks to Dr. R. Lewin. 322-5
- New Sci. 63, August 15, 1974
Modelling the climate. M. Baker. 380-2
The psychology of deceptive problems. P. Wason. 382-3+
- Chaos or cosmos? A. Peacocke. 386-9
- Phys. Today 27, September 1974
Physicists I have known. P.P. Ewald. 42-7

Lieder Abend Program

Myrna Bismark Becker, popular Long Island Soprano, will present a program of Lieder by Franz Schubert, Robert Schumann, Alban Berg and Richard Strauss in Berkner Hall on Wednesday evening, October 2, 1974 at 8:30 p.m. Ms. Becker will be accompanied in the program by Dwana Holroyd at the piano. The program is open to the public.

Ms. Becker has appeared as soloist with various Long Island choral societies, such as the Babylon Chorale, the Bach Aria Group and the Massapequa Chorale. Last winter she sang the leading role in Wolf-Ferrari's "Secrets of Suzanne." Her performance was described as "excellent" by one reviewer. She is also a popular church soloist, both on Long Island and in New York City.



Myrna Bismark Becker

Ms. Becker studied voice at the Konservatory in Nürnberg, Germany and did operatic, recital and oratorio work in Bavaria. While in Germany, she toured as guest artist with the U.S. Army's "Special Services, Nürnberg," being featured in several musical productions, among which were "The Boyfriend," "Stop The World, I Want To Get Off," and Menotti's "Amahl And The Night Visitors."

She currently studies with Kurt Baum in New York and enjoys teaching voice to a lively group of talented teen-agers.

General admission for this program will be \$2.00.

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Official & Special Events

Monday, September 30
Federal Highway Administration Sponsored Course on Introduction to Concrete Polymer Materials (Sept. 30 - Oct. 4)

Wednesday, October 2
Concert - 8:30 p.m., Berkner Hall

Monday, October 7
Oceanography Program Planning Meeting (October 7-10)

Tuesday, October 8
Radiation Assistance Program Meeting

Wednesday, October 9
Navy Meeting

Monday, October 14
AEC Technology Utilization Program Meeting (October 14-16)

Wednesday, October 16
AUI Board of Trustees (October 16-17)
Navy Meeting

Arrivals & Departures

Arrivals

Burton Benowitz.....	Central Shops
Mark W. Horovitz.....	Applied Math.
Norman R. Keller.....	Central Shops
Kenjiro Kondo.....	Chemistry
Barbara Sedgwick.....	Biology
Steven G. Sedgwick.....	Biology
Joseph M. Titmus.....	Health Phys. & Safety
James M. Vaughn.....	Applied Science
Ralph T. Yang.....	Applied Science

Departures

None

Men's Doubles Champs

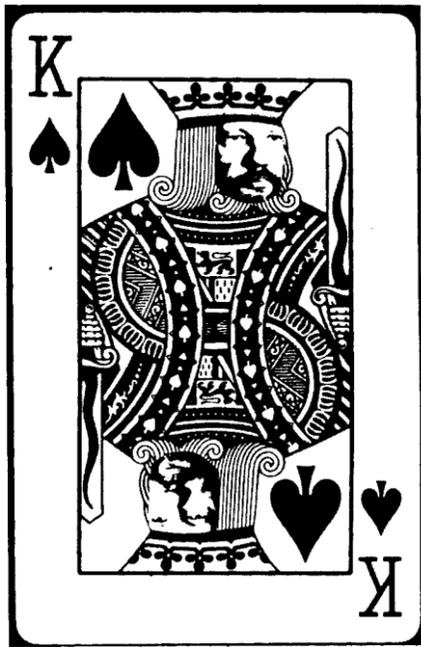


BERA Awards Chairman Bob Fuchs (center) presents the Walter Merkle Cup to Men's Doubles Champions Alan Auskern (left) and Andrew Kevey. The Walter Merkle Cup is awarded annually to winners of the Men's Doubles Championships.

A Good Deal Coming October 18, 19, 25, 26

Four face cards have slipped out of the pack - two of them under suspicion of murder, another a philandering drama critic and the last a dust mop wielding tattle tale.

All four are starring in the Theatre Group's major fall production of *The Real Inspector Hound*.



Authored by Tom Stoppard (*Rosencrantz and Guildenstern and Jumpers*), one of Britain's leading playwrights and directed by Ron Peierls (*Brookhaven Facade*), one of BNL's leading directors, this comic mystery in two acts will be enjoyed by old and young.

The play opens with Birdboot, a dame crazy drama critic and Moon, a second stringer in the same occupation, watching and discussing a play in progress. On the stage, two lovelies, Cynthia and Felicity, are being pursued by Simon Gascoyne. Cynthia has a second admirer in the half crippled half brother of her husband who disappeared ten years ago from the country home, Muldoon Manor - that is the husband disappeared, not the half crippled half brother.

As the play progresses, it's quite obvious that someone is going to get it and by the end of the first act someone has. Both audience and cast are at a loss not only as to who done it but also to whom it was done.



During the intermission Birdboot walks on stage to answer the telephone and suddenly finds himself as a member of the cast, involved in a card game so wild that it could never be played unless Alice in Wonderland was a fourth. Birdboot slowly realizes he's the joker in the deck. High humor continues but a grimness now pervades the drama - identities as well as lives are lost and we come to the inevitable question - who is the real Inspector Hound? To be continued next week. . . .

Take a look at the calendar and pick your date - and buy a ticket - our theatre is no Nassau Coliseum - only about 150 choice seats so it is unlikely that tickets will be available at the box office.



Plenty of time and talent is being put into this comparatively short two acter. Set construction is under the direction of Bob Kinsey, sound by Jack Craig, properties gathered by Pat Evans, lights by Dave Juers and a rich and intimate set designed by Pat Campbell. The cast includes Janice Olsen, Julie Peierls, Ginny Sayre, Mike Losquadro, Geoffrey Hind, Graham Campbell, Bob Marr and John Binnington. To be seen in the Exhibit Hall on the evenings of Oct. 18-19, & 25 at 8:30 p.m. On Saturday, Oct. 26 two shows will be presented - one at 7:30 p.m. and the other at 10:00 p.m.

Tickets go on sale on Oct. 1 at \$2.00 for BNL employees and family members, \$1.00 for those under 18 and over 65. Guests will be admitted for \$2.50.

Bowling News

Grace Fales

Green League

Congratulations to W. Kollmer 244/216/634 scratch/697 gross series and to D. Vail for his 679 gross series, both earning their Club Awards. Other 200's were rolled by L. Jacobson 208, R. Taylor 200/203, A. Kreisberg 202, B. Belligan 224/200, J. Cain 202, F. Green 201, and D. Stelmaschuk 213. A word of warning to the Cosmos; bring your ear plugs next week for "Anti-Super Cools Protection." In fact, maybe we should all bring ear plugs.

Pink League

Jean Hamilton bowled a 191, keeping the Alley Oops in first place. V. Bowman came through with a 180. Come on girls, let's get those scores moving up!

Note: Where's the Red League?

Hospitality News

The theme of the next Tea and Sherry Party, to be held October 24 at the Brookhaven Center, is Colonial America.

We need help in getting a "Head Start" on the Bicentennial. We are looking for arts, crafts, antiques or anything we can exhibit at the Tea, dealing with our rich and beautiful Colonial American heritage. If you have talents to share with us or if you can lend us any exhibition pieces or if you know anyone who can, won't you please let us know?

If you are worried about the safety of any valuable objects, we have locked showcases.

If you would like to help, please call: Lela Radeka, 286-0854; Jane Love, 286-1136; Riet Claus, 744-2017; Lucy Kinne, 941-9352; or Roberta Zucker, 878-2372.

Jets Tickets Sale

BERA seats are again located in Reserve Section No. 23 and are priced at \$8 each.

There will be no limit on the number of tickets sold to each employee. Sale of tickets will be final. Tickets will not be returnable or acceptable for refund or exchange at the BERA Sales & Services Office. Refunds or exchanges should be made through the Ticket Office at Shea Stadium.

Schedule

October 13.....	New England
October 20.....	Baltimore
October 27.....	Los Angeles
November 3.....	Houston
November 24.....	Miami
December 1.....	San Diego
December 8.....	Buffalo

Metropolitan Opera Tickets

The BERA Sales & Services Office has the following Metropolitan Opera tickets still available for the months of October and November.

Oct. 10	L'Italiana in Algeri	2 tickets
" 21	Don Giovanni	4 "
" 22	Romeo and Juliette	4 "
Nov. 4	I Vespri Siciliani	4 "
" 11	Cavalleria/Pagliacci	2 "
" 12	Tosca	2 "
" 19	Death in Venice	2 "
" 25	Death in Venice	4 "
" 27	Cavalleria/Pagliacci	4 "

These tickets are for seats in the Family Circle and are priced at \$6.00 each.

September Retiree



John A. Conaway, General Supervisor in Refrigeration and Air Conditioning and Steam, who started work at BNL on January 7, 1957, will retire on September 30.

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.

21. REGISTERED NURSE - Shift work. Medical Department.
22. TECHNICIAN - Temporary part-time position. Department of Applied Science.
23. SCIENCE ASSOCIATE - Temporary part-time position. Department of Applied Science.

Autos & Auto Supplies

- 66 PONTIAC LEMANS - 2 dr, ps/pb. \$400. HR3-0058 after 6.
- 71 VW 411 - Auto trans, new steel radials, low mileage, excel cond. Asking \$2100. P. Valli, Ext. 2023, 727-1464.
- FIAT 70 - 124 Spt Coupe, disc brakes, synchro-mesh 5 spd, 29 mpg. \$1450. 265-0501 after 6.
- 74 DODGE ¾ TON PICKUP - Club Cab Power Wagon, 4 w/d, ps, jump seats, 360 cu in V8, never worked, 7000 mi, excel cond. 286-9197.
- 69 TRIUMPH TR-6 - Clutch, slave cyl, front end, AM/FM 8 track, paint, Michelins all new; 73 differential, wire wheels, clean in & out. \$2000. 744-3421 after 6.
- BSA - 650 cc, beautifully chopped, runs like a watch, must be seen. \$960. 589-3269 after 5.
- 65 MERC CALIENTE - 2 dr htdp, vinyl roof, auto trans, ps, 67 eng & trans, runs well, body good. \$200. Ext. 4631.
- 68 CHEVY IMPALA SS - Reliable. \$500. Knudsen, Ext. 4581.
- 66 VW BEETLE - Not running, new batt, new muff, new & good tires, good for parts. Bob, 878-1731 after 6.
- 66 CHEVY PANEL TRUCK - W/side windows, 6 cyl, std trans, r/h, extra wheels. \$600. Ext. 4689, 475-8206 after 6.
- USED TIRES - Most sizes, also extra rims. Ken, 289-8212 eves.
- 69 BSA - 500cc, good cond. Vince, 281-6776.
- JAWA STREET & TRAIL - 50cc, 200 mi, like new. \$200. John, Ext. 3354.
- 2 WAGONEER RIMS - W/usable tires. \$8 ea, 2/\$15. G. Apelskog, Ext. 3499.

