



BROOKHAVEN BULLETIN



Volume 25 - Number 52

Published by the Brookhaven National Laboratory Public Relations Office

1946 - Twenty-five Years of Dedicated Research - 1971

December 22, 1971

BERA Concert Group

The next concert, to be presented Wednesday, January 12 at 8:30 p.m. in Berkner Hall, will feature the tenor Robert White, accompanied by Raymond Lynch on the lute.

Robert White has been heard in opera and oratorio with many leading musical organizations here, including the New York Philharmonic under Leonard Bernstein and the NEC-TV Opera. In 1969 he won critical acclaim for his singing in the opera "Medea in Corinto" with Clarion Concerts, at Alice Tully Hall, a performance which has been recorded for Vanguard Records.

Raymond Lynch began his musical studies on the guitar and then developed a formidable technical command of the lute. He has performed the solo lute part in the western hemisphere's premiere of Bach's St. Mark's Passion.

The Brookhaven program will include selections from the French, Spanish and English Renaissance and early Baroque repertoire, including some solo lute pieces.

Admission is \$4.00 for adults, and \$2.00 for those under 18. Series tickets at \$9.25 for the 3 remaining concerts, are still a bargain.

Gingerbread House



Andrea Ruffing and Lee Schweller admire a gingerbread house displayed for the Cooking Exchange's Christmas Party.

Cooking Exchange

The Cooking Exchange Group's Christmas party on December 16 was a lovely success. The ladies surely outdid themselves this year with the appetizers. In order that a collection of the recipes may be compiled, won't you please submit your entry to Clarence Pittenger, building 515.

The next session of the Group will be on Thursday, January 13.

Letters To The Editor

Dear Sir:

Our thanks and appreciation for the many beautiful Mass Cards and other expressions of sympathy received by us from Ralph's friends and co-workers at Brookhaven. He would have been at the Laboratory 25 years next June. BNL meant a great deal to him, and was never far from his thoughts.

Our thanks also to the Personnel Office for their considerate and speedy handling of his affairs.

Mrs. Ralph Kassner and family



Published Weekly for the Employees of Brookhaven National Laboratory

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

Season's Greetings



The decorated tree outside of the Brookhaven Center on Upton Road is silhouetted against the evening sky as the Lab prepares to close down for the four-day Christmas Holiday. —Humphrey

Public Sale Of Motor Vehicles

Eighteen (18) motor vehicles, located at Warehouse T-87, will be available for Public Sale.

Inspection will be permitted from January 3 through January 7th, 1972, during the hours of 9 a.m. to 4 p.m., except Saturday and Sunday. Bid opening will be held on January 11th at 2 p.m.

Bids will be opened at General Services Administration, Business Service Center Bid Room, 26 Federal Plaza, New York, New York 10007. Tel.: Area Code 212, 264-2637.

This will be an informal competitive bidding. Bid forms may be obtained at buildings 87 and 211. For further details, please call Extensions 2509 or 2704.

Selected Reading

Technol. Rev. 74, December 1971

Science, technology, and the quality of life. J.B. Wiesner. 14-19

The case for institutional assessment. F.P. Davidson. 20-6

Part II of a special symposium on Energy Technology to the Year 2000: Must fossil fuels pollute? H. Perry and H. Berkson. 34-43; Heat - the ultimate waste. D.R.F. Harleman. 45-51; Capturing sulfur during combustion. A.M. Squires. 52-9

Phys. Today 24, December 1971

Recollections of Rutherford and the Cavendish. S. Devons. 38-45

N.Y. Times Mag., December 12, 1971

Last hope for the ospreys of Long Island Sound. D.R. Zimmerman. 38-40 +

The future of the breeder, its impact on the environment, and its regulatory aspects. Remarks by William O. Doub, Commissioner, U.S. Atomic Energy Commission.

Semester Students



Students of the Fall 1971 Brookhaven Semester gathered on Tuesday, December 21 in the Chemistry Seminar Room to present papers on their research projects at Brookhaven. On Wednesday the group will return home for vacation before returning to their home institutions for the spring semester. They are: standing: left to right: Patricia McAfee, Prairie View A&M; Eunice Carter, Tougaloo College; Kenneth Belton, Grambling; and James Moore, Jr., Texas College. Seated are: Pearlanna Paul, Prairie View A&M; Lucille Whitley, Grambling; Lena Buckels, Grambling; Diane Blaylock, Texas College; and Judy Johnson, Knoxville College. Missing from the picture is Ruthven Sampath, Tougaloo.

Bowling News

Grace Fales

Red League

Highs for the week of 12/7 were J. Berech 225, D. Stelmaschuk 217, G. McGovern 202, W. Reams 248, J. Petro 213, W. Kristianson 227, R. Larsen 222, J. Ferrante 221, and R. DeGregorio 234. For 12/14 - N. Combatti 234, J. Berech 201, J. Petro 234, C. Bachsmith 200, R. Wilson 202, L. Newman 205, and R. Vignato 223.

Pink League

The Christmas Cheer winners were Betty Jellett and Lillian Hillerud of the Pinsplitters. 12/14 highs were: Betty Jellett 176, Grace Fales 175/498, Fran Scesny 165, with special mention to Lily Lambeck 133 and Doris Pion 132. January 4th Position Night will settle the battle for first place.

Black and Blue League

Together with the scene at Oakdale this week when Ginny and Allan Diebel each won a bottle of Cold Duck donated by BERA by rolling high gross games. Ginny rolled a 156/232 and Allan rolling a 175/214 gross game, decided to make it a good night with a 515 series. Helen Caisey was the only other bowler doing her thing with a 176.

No bowling for the next two weeks. Merry Christmas and Happy New Year to all - See you after the first of the year.

CREF Unit Values

January	\$41.37	June	\$43.58
February	41.57	July	41.24
March	43.14	August	44.01
April	45.23	September	43.85
May	43.81	October	41.84
		November	\$42.38

For additional information, or answers to questions about the Retirement Plan, contact Monroe Petty, Ext. 2106.

Volleyball News

Odelli Ozer

The two first place teams in the Men's League, AEC and the Spikers met for the first time on December 15th. After the Spikers won the first two games, AEC sparked by R. Casey, A. Fogarty and J. Hooper staged a comeback and was able to salvage the third game by a score of 22 to 20. Nevertheless, the loss dropped AEC into third place. The Spikers remained tied for first with the Cool Tools who were idle.

In other games Chemistry lost a chance to move into a tie for third place by defeating Particle Detector 2 to 1. The Atom Spikers took three from the Set Ups.

The deciding games for the first half should be played when the league resumes on January 5th, with the Cool Tools meeting the Spikers and AEC meeting Chemistry.

In the Mixed League the Trolls, the Active Sites and the Spikers retained their relative positions by each winning two games and losing one. The three extra wins for the above teams were supplied courtesy of the unfortunate Boomerangs who still have to develop an effective team game.

Men's League	W	L
1. Cool Tools	8	1
2. Spikers	8	1
3. AEC	7	2
4. Chemistry	6	3
5. Atom Spikers	6	6
6. Particle Detector	1	11
7. Set Ups	0	12

Mixed League	W	L
1. Gotcha's	9	0
2. Jets	6	3
3. Trolls	5	4
4. Active sites	6	6
5. Spikers	3	6
6. Boomerangs	1	11

IBEW Meets December 27

Because of the Christmas holiday, Local 2230 IBEW will hold its regular monthly meeting at 8 p.m. on Monday, December 27 in the K of C Hall, Railroad Avenue, Patchogue.

Hospitality News

This month's hospitality coffee will be on Monday, December 27, from 10 a.m. to noon, in apartment 8A in the apartment area here on site. By popular request, Mrs. Norma Chernick will show her spoon collection. For those who might have missed it last time, or for those who would like a second look, please mark this date on your calendar.

Everyone is welcome - bring the children.

Slo-Break Basketball

by Jack Brennan

Dirty Dozen beat the Knacks 49-33 to remain one of the two unbeaten teams. Herm Haller of the Dozen with 18 points and Ed Gill of the Knacks with 11 points were the game's high scorers. Medical threw a scare into the AEC before going under 47-26. Medical, down only 15-11 at half time was led by Doug Turner with 12 points and Darrel Joel with 10 points. Bob Casey with 15 points and Andy Fogarty with 10 points led the winners attack. Burleigh James with 23 points led the Tandem attack as they beat Biology 52-24. James Moore in his farewell game had a season high of 33 points as he led AMD to a 45-26 victory over Personnel.

	W	L
AEC	3	0
Dirty Dozen	3	0
AMD	2	1
Tandems	2	1
Biology	1	2
Knacks	1	2
Medical	0	3
Personnel	0	3

Soccer

John McCafferty

After a highly successful outdoor season the BNL Soccer Club has moved indoors for the winter months and the interdepartmental games are well under way. Three departments are involved - Physics, DAS, and AGS. Three games are played each evening. The total playing time for each player is one hour, and the first ball was kicked off Friday evening, December 3rd, with the following results:

First Game	Scorers
Physics 8	Nielsen 4, Cox 2, Strayer 2
DAS 4	McCafferty 3, Sutherland 1
Second Game	Scorers
DAS 2	Farrel 2
AGS 1	Batchelor 1
Third Game	Scorers
AGS 2	McCafferty 1, Batchelor 1
Physics 1	Strayer 1

Friday December 10th results:

First Game	Scorers
Physics 4	Strayer 1, Crow 3
DAS 7	Farrel 3, Sutherland 1, McCafferty 1, Nielsen 1
Second Game	Scorers
AGS 1	Batchelor 1
Physics 8	Mazura 3, Dietrich 2, Cox 2, Strayer 1
Third Game	Scorers
AGS 1	Carroll 1
DAS 8	Sutherland 4, Nielsen 2, Myers 2

Everyone is welcome to participate or just watch the exciting action every Friday evening from 5:00 till 7:00.

Cafeteria Menu

Week Ending December 30, 1971

Monday, December 27	
Chicken Soup	
Barbecued Roast Pork & 1 Veg.	.90
Jumbo Knocswurst & Sauerkraut w/Mashed Potatoes	.80
Macaroni & Chopped Beef Spanish Style & 1 Veg.	.85
Tuesday, December 28	
Puree of Split Pea Soup	
Baked Beef Loaf w/Gravy & 1 Veg.	.85
Southern Fried Chicken & 1 Veg.	.85
Stuffed Cabbage and 1 Veg.	.85
Wednesday, December 29	
Vegetable Soup	
Beef Hash with Chili Sauce	.80
Broiled Link Sausage w/Scrambled Eggs & French Fries	.90
Florida Shrimp Louisiana	.95
Thursday, December 30	
Cream of Mushroom Soup	
Beef Chop Suey on Rice w/Crisp Noodles	.90
Cheese Omelet with French Fries	.80
Food Service closes 2 p.m.	

Happy New Year!

Arrivals & Departures

Arrivals

Santa Claus.....BNL

Departures

Father Time.....1971

Classified Advertisements

Positions Available

The Brookhaven Bulletin each week will list job openings which have come to our attention and may be of interest to Lab employees. Each listing will be repeated (if still available) only once.

ELECTRONICS TECHNICIANS - Temporary three-month positions. Possible shift work. Accelerator Department.

ELECTRICAL DRAFTSMAN - Temporary three-month position. Accelerator Department.

ELECTRONICS TECHNICIAN - AAS electronics or equivalent. Possible rotating shifts. Accelerator Department.

MECHANICAL DESIGNER - Six-month position. General machine design for High Energy Program. Mechanical Engineering

NURSERY SCHOOL TEACHER - Tuesday, Wednesday, Thursday, 2 sessions, 9:00 a.m. - 11:30 a.m.; 12:15 p.m. - 2:45 p.m. Send resume to Wading River Play-school, Box 337, Wading River, or call 744-9815.

For further information, please contact Employment Supervisor, Ext. 2109 or 2513.

Autos & Auto Supplies

SNOW TIRES - 2 650-13 studded; 2 5-hole GM wheels, tires not mounted. \$30. GR5-9493.

67 SAAB MONTE CARLO 850 - 3 cyl oil injection, disc brakes, radial tires, body and engine good. \$650. R. Judd, Ext. 7805 after 5.

67 PONTIAC CATALINA CONV - Ps/pb, 4 dr sdn, many extras. Best offer. 924-3362.

64 OPEL STA WGN - Good cond, new tires, brakes, batt. \$350. 234-5487 after 6.

62 TR-4 - Wire whls, r/h, good top & tires, tonneau cvr, new batt, excel running cond. 653-4633.

SNOW TIRES - 855-14, \$6 pr; 12V gen, GM type, good cond, \$7; AM car radio, Ford Corvair, \$7. Bob, 289-0357, Ext. 2450.

13" WHEELS - Fit Comet, Corvair, \$5 pr; 14" wheels, fit all Chevy & Tempest, \$5 pr; all good cond. Bob, 289-0357, Exxt. 2450.

63 VW - Needs work, engine good. Ext. 7685, 475-6288.

49 FORD COUPE - Does not run, good tires, batt, brakes, best offer; 63 Ford truck, 6 cyl eng. D. Feigenbaum, Ext. 7677, 289-3622.

62 FALCON 1/2 TON PICKUP - Good tires, good running cond. \$300. Ext. 2872, HR2-1206 after 5:30.

TIRES - Two 650x13, 1/2 tread left. \$5 ea or 2 for \$8. 588-5833.

70 GMC 1/2 TON TRUCK - Plus 33" camper, fin inside plus beds and counter top. \$2500. W. Schlichterell, Ext. 7415, 924-6172 after 6.

64 INTERNATIONAL TRAVEL-ALL - New coil, altrntr, master cyl, muffler & tires, very good eng. \$475. GR5-0294 after 6.

66 PLYMOUTH COUPE - 45,000 mi, ps, r/h, snow tires, 6 cyl, auto trans, good cond. \$650. 924-3291 after 5:30.

68 FORD GALAXIE 500 - Air cond, am/fm, 2 snows, 5 excel tires, vinyl roof, 20,000 mi. \$1500 (let's talk). 277-9462 after 5.

63 CHEVY IMPALA - R/h, new brakes, new tires, new muffler, good cond, burns oil. Asking \$100. Pam, 472-0075.

62 CHEVY WAGON - Auto trans, good cond, runs well. Bill, Ext. 2971, 878-0174 after 5.

64 PONTIAC STATION WAGON - Eng runs well, new tires. 281-7657.

68 PLYMOUTH SPORT SATELLITE - 218 eng, 2 bl, 3 spd auto trans w/console, wide ovals & mags, Panasonic built-in tape deck. excel cond. \$1600. Gene, Exxt. 7356.

68 BUICK SPECIAL - Factory built trailer tow car. \$1400 HR3-1456.

4 VW RIMS - 5 hole, \$4 ea, 4/\$15; 1 VW rim & tire, good tread, \$10; 4 chrome wheel rings, VW, \$5. H. Arnesen, Ext. 7525.

4 FALCON OR COMET - 4-hole 13" rims, 1 700x13 tire. R. Ferdinand, Ext. 7525.

68 TRIUMPH 250 - White/blk, wire wheels, racing mirrors, elec overdr ve, Konis, luggage rack, reworked am/fm, new Semperities, 13,000, excel cond. \$1900. Ext. 2912.

65 CHEVY VAN - V-8, good cond, reasonable, new tires, paneled, insulated, carpeted, for work or fun. 744-9686 after 5.

67 IMPALA - White hard top, V8, std shft, low mi, top cond. \$825. Days 325-0810, Eves, 878-2955.

TIRES - 815x14, tread measures 6/64 on scale. \$5 ea or 3 for \$10. 588-5833.

MOTOR CYCLE - 70 Kawasaki 500, excel cond. \$650. F. Merkert. Et. 2987, 732-3003.

68 FORD CUSTOM - V-8, ps/pb, auto, excel cond. \$900. F. Merkert, Ext. 2987, 732-3003.

2 RECAPS - 7.60x16, 8 ply. Steve, 7677.

2 13" RIMS - For Valiant or Dart. Best offer. Lundgren, Ext. 7525, 585-3794.

70 PLYMOUTH STATION WAGON - V-8, 383 eng, good cond, 32,000 mi, auto, ps, pb, hd susp, posi, tinted glass, air, radio, luggage rack, auto rear window. Ext. 2930, 929-6459.

63 FORD WAGON - Country Squire, V8, 9 psgr, ps, pb, auto trans, leaks oil, but running ok. \$150. Ext. 7617.

Boats & Marine Supplies

16' ELTROWOOD BOAT - 40 hp Evinrude mtr (needs work), alum trailer. \$350. 924-8669.

75 WATT HEATHKIT MARINE RADIO - Good cond, w/antenna. \$100. Ext. 2872, HR2-1206 after 5:30.

CLAM BOAT - Garvey, 25', 50 hp Mercury elec start, 2 batt, 2 bilge pumps, etc. \$1000. LT9-3269.

Miscellaneous

DOMESTIC ORIENTAL RUG - 8x10, \$60; pr fine lamps, orig \$75 ea, gold china base w/enamel design. \$35 ea. 473-1157.

CITIZEN BAND RADIO - Sonar model E. Ext. 7227.

1 HIGH FISH TANK - 1 long tank, 20 gals ea, compl. Reasonable. 486-0372.

"22" ITHACA M-39 CARBINE - \$25. pr used snow tires. 8.25x14. \$8. H. Downs, days PA-4363, Ext. 2467.

C-FLUTE - Grassi - Italy, in beautiful cond. \$75. R. Rolfe, Ext. 7519, eves Ext. 519.

REVOLVING MUSICAL CHRISTMAS TREE STAND - Rotating multi-color wheel. Brn, Ext. 2588.

ONE PAIR AR 4X SPEAKERS - Walnut cabinet, hi-freq control. \$70 for the pair. Ext. 2912.

BATH TUB - Wash bowl/vanity, toilet, rose color, excel cond. Make offer. LT9-3269 after 6.

CUSTOM TAILORING & ALTERATIONS - Men's and Women's clothing. 286-3454 after 7.

MEDICINE CABINET - Brand new, 20"x29", \$10; Stevens double-brl shotgun, 16 gauge. \$50. 924-8669.

OAK FIREPLACE LOGS - Custom cut, split, delivered & stacked, well seasoned. Ken, 289-8212 eves.

BASS GUITAR - Kay, one pickup w/tone, intensity control, cord, strap, case. \$25. Ext. 7238, 744-2069.

ICE SKATES - White figure, girl's, size 7, new last Christmas. \$5 (like new). Ext. 426.

LATHE CRAFTSMAN (ATLAS) - Sears No. 99H2140N, many access incl, milling hd. John, Ext. 426, 929-6530.

DRESSING TABLE - Baby, padded w/4 drawers, closed dim 17"x19"x36", open to 34". John, Ext. 426, 929-6530.

BASSINETTE - Wicker, white, lg size, 2 pcs, 39" 1x22" wx34" h, hooded basket, wheeled base. John, Ext. 426, 929-65330.

FIRE WOOD - L.I. hardwoods, seasoned, guaranteed to burn, delivered. Bob, 732-9517.

BOY'S C.C.M. ICE HOCKEY SKATES - Size 5, good cond. \$5. L. Passell, Ext. 7608.

MODEL 530 SONY - 7" reel stereo tape system, portable, 4 spkrs, all solid state. \$125. 929-4039.

COAT - Woman's size 14, new winter, fur collar, beige, \$40; cotton dresses, new, size 14. Susan, Ext. 670.

19" RONSON DELUXE BROILER - Excel cond, cost \$54, sell \$30. Ted, Ext. 2475, LT9-2470.

B^bCLARINET - New cond, w/lyre & cork grease & key. R. Sweda, 475-7227.

BOWLING BALL - AMF, 10 lbs, 1 yr old, blk. \$12, cost \$27. Ext. 2221.

CAROUSEL SLIDE MAGAZINES - \$1.50 ea or 10 for \$12. Jean, Ext. 7164.

B&W TV - AM/FM, stereo combo. \$125. John, 924-3528.

ELEC "HOLLOW BODY" BASS GUITAR - 2 heavy duty pick ups, volu tone controls, like new. \$60. Dave, Ext. 2593.

GIBSON WAH-WAH PEDAL - For elec guitar or organ, like new. \$40. Dave, Ext. 2593.

ELEC GUITAR - Solid body, 4 pick ups, w/case, excel cond, \$70; Unirox 50 watt amp, like new. \$60. Both for \$110. Dave, Ext. 2593.

GIRLS SKATES - Sizes 12 & 13, \$2 ea; girl's ski boots, size 13. \$8. 286-3709.

Classified Ad Policy

Deadline is 12 noon Friday for publication the following week.

- The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
- All items for sale or rent must be the advertiser's property.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Firearms offered for sale or trade may not be brought on site.
- Ads not carried because of space restrictions will be held for publication in the next issue.
- Ads are run only once and must be resubmitted if they are to be repeated.
- Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employees signature.

- | | | |
|--|---------------------------------------|---|
| <input type="checkbox"/> For Sale: Auto & Auto Supplies | <input type="checkbox"/> Wanted | Check <input checked="" type="checkbox"/> the heading applying to your ad. Print or type your ad in 20 words or less. |
| <input type="checkbox"/> For Sale: Boats & Marine Supplies | <input type="checkbox"/> Carpools | |
| <input type="checkbox"/> For Sale: Miscellaneous | <input type="checkbox"/> Lost & Found | |

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 112, 40 Brookhaven Avenue.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

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

Send to: Brookhaven Bulletin, 40 Brookhaven Avenue

(Name & Phone No. To Call)