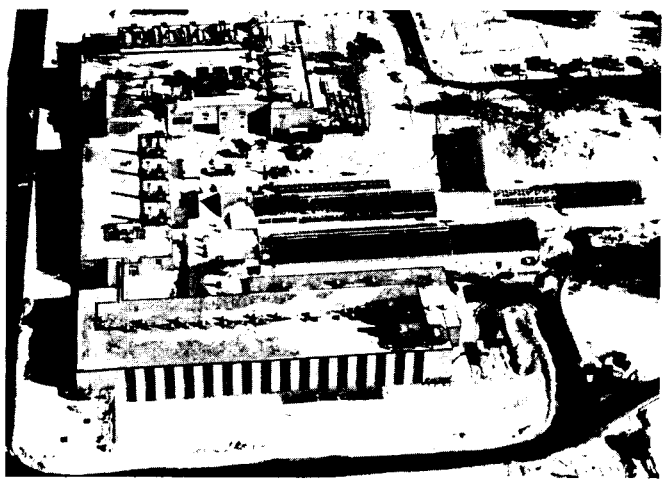
BROOKHAVEN BULLETIN

Vol. 41 - No. 49 December 18, 1987

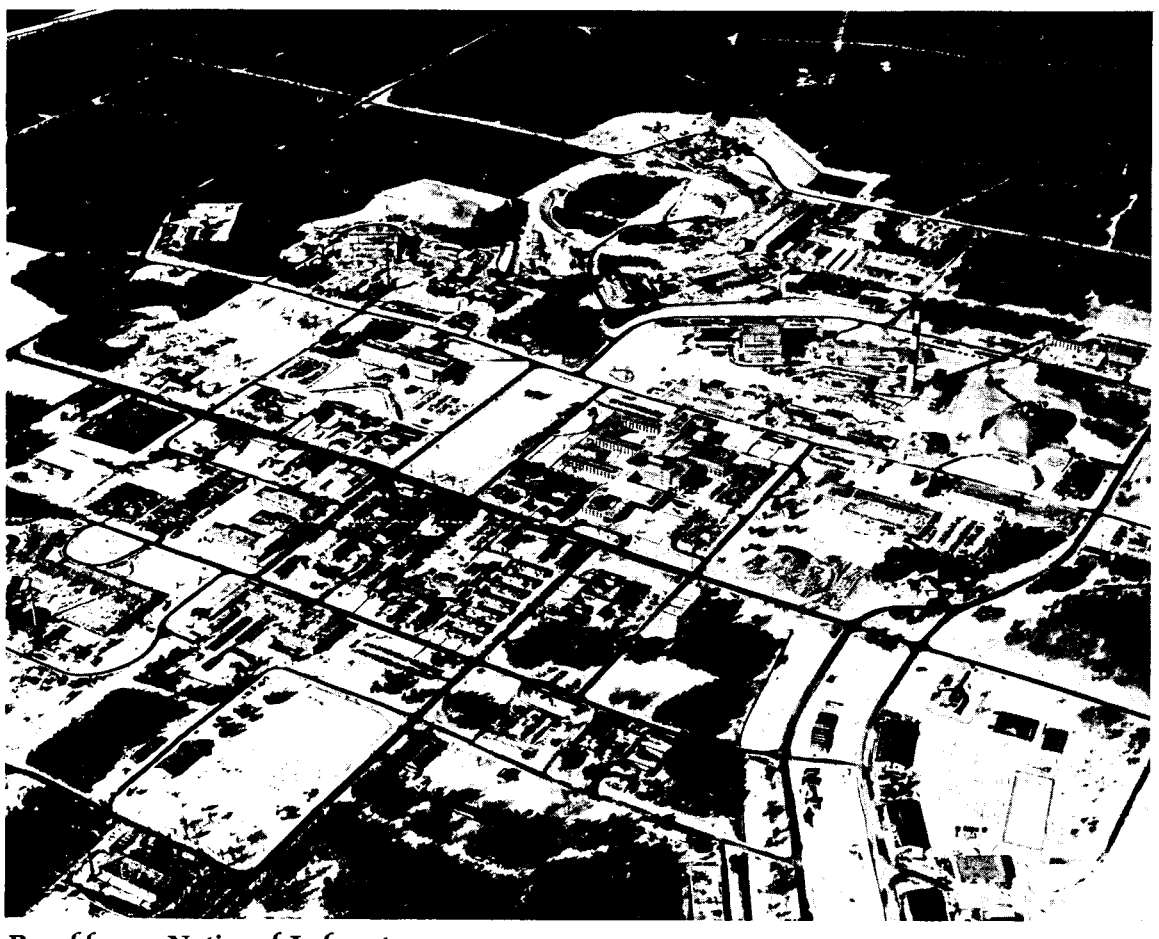
BROOKHAVEN NATIONAL LABORATORY

Alternating Gradient Synchrotron

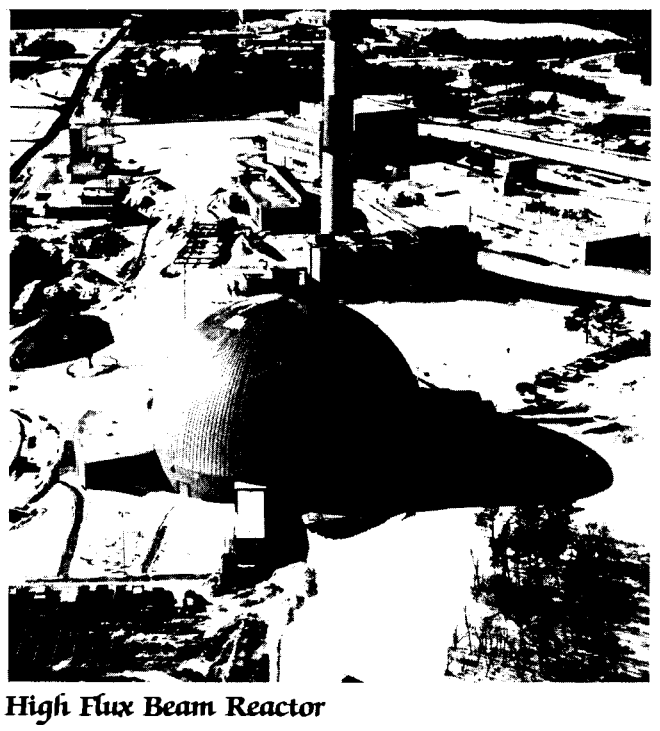


Biology Department

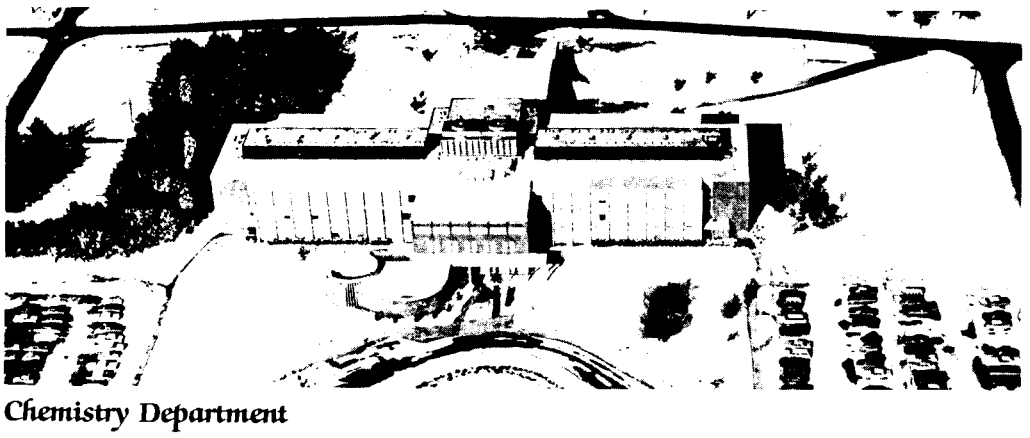
As Brookhaven's first forty years come to a close, it's fitting to take take one last look back — this time to February 1967 when Brookhaven's buildings stood in lovely contrast to a fresh blanket of snow. A similar aerial photo taken today would reveal many significant changes, but the overall effect would still be the same: a vital and growing Laboratory looking forward to the next forty years . . . and beyond, starting with a joyous and peaceful New Year to all.



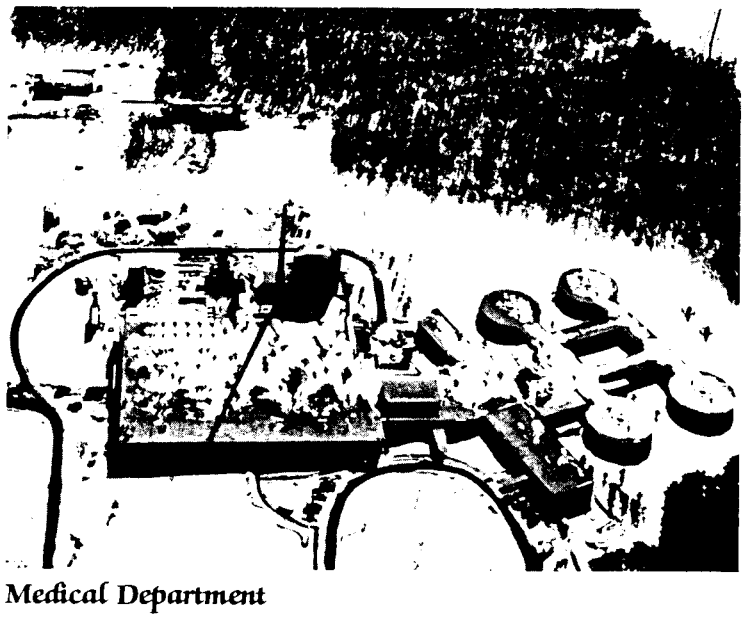
Brookhaven National Laboratory



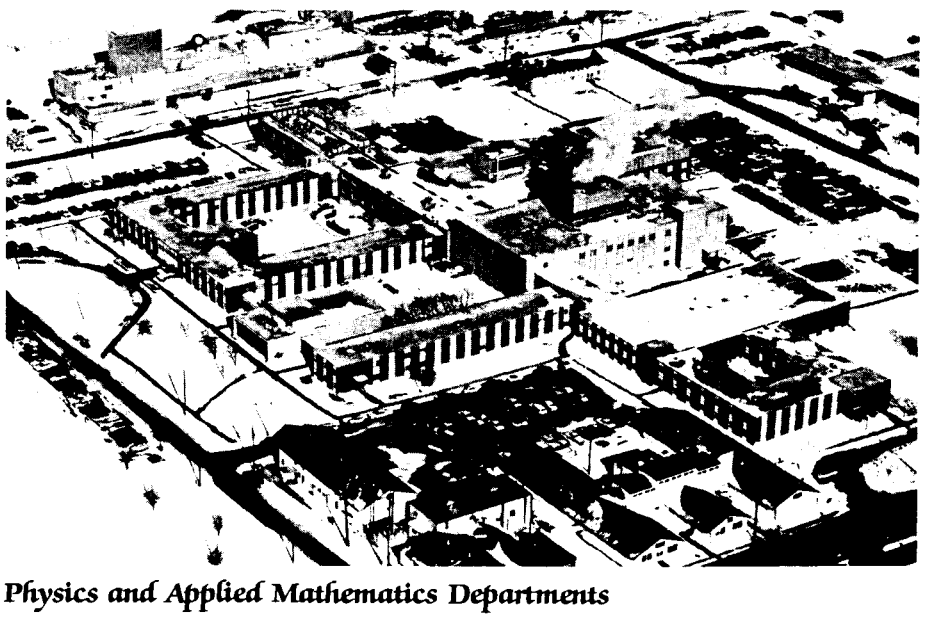
High Flux Beam Reactor



Chemistry Department



Medical Department



Physics and Applied Mathematics Departments

BNL's Fabulous Forty

As this is the last Bulletin issue during BNL's fortieth anniversary year, this is the final article in the year-long series "BNL's Fabulous Forty."

A memorandum to all employees from the Personnel Division, dated December 5, 1947, read:

> A number of employees have suggested the formation of an Employee's Recreation Association. We are heartily in favor of such a move. Indeed, it is hoped that an association, if formed, will eventually take full responsibility for all employee recreation activities, using the facilities of the Welfare and Recreation Section . . .

That association was formed in March 1948 and was called the Brookhaven Employee Recreation Association (BERA). Its first constitution was adopted that June. The first BERA board of trustees was elected in December 1949, and, in fact, Department of Applied Science Chairman Bernard Manowitz, who is celebrating his fortieth service anniversary at the Lab this year, served as the secretary of the original board.

Twenty years after BERA was born, Blanche Laskee transferred from the Reactor Division to Personnel's Recreation Office, which manages BERA facilities and facilitates BERA activities. At the end of this year, Laskee will retire as Recreation Supervisor.

In this position, Laskee has acted as a liaison between the BERA board, which promotes and regulates organized clubs and their activities, and Personnel, which has the overall responsibility for the recreation program. Since November 1, she has been sharing her office and on-the-job experience with M. Kay Hunt, the newly appointed Recreation Supervisor.

Mort Rosen

M. Kay Hunt

"When I came to work in Recreation, the recreation supervisor and I had our offices in the gymnasium where the exercise rooms are now located," recalls Laskee. "We also had a small, adjoining store, where we sold such things as tennis balls, shuttlecocks and athletic clothing."

In 1972, the location of the Recreation Office was moved to Personnel, Bldg. 185, and, at that time, the old gymnasium offices were remodeled into the exercise rooms. "For the next two years, I did double duty," explains Laskee, "working in Personnel Services and for Recreation." She was named Recreation Supervisor in 1974.

During her twenty-year association with BERA, Laskee has witnessed many changes in the recreation program.

In 1948, BERA began with eight recreational and social activities: a bridge club, camera club, choral group, dance and party committee, film society, rental library, tennis club and theater group. Only four continue today: the camera club, choral group, tennis club and theater group.

When Laskee joined the Recreation Office, BERA clubs and leagues numbered 26. Now, 20 years later, there are 43 activities. Observes Laskee, "What is new or popular in today's society — such as body building and computers — is new or popular at the Lab, and so is that activity."

Activities have waxed and waned with the times. For instance, on August 5, 1948, more than 700 employees and their guests attended the first annual, mid-summer dance sponsored by BERA. Seasonal dances were held in the gym, despite the sign stating "No Street Shoes Allowed," until 1972, when the gym floor was replaced. Instead, "The new social and cultural clubs now hold smaller dances in the Recreation Building, Brookhaven Center or Berkner Hall," observes Laskee.

Mort Rosen

Blanche Laskee

While the Concert Group has been inviting top classical artists to perform at the Lab since 1949, Laskee remembers when the top popular music soloists and groups of the day played Brookhaven at the invitation of the Special Events Committee. "We had all big names here — Pearl Bailey, Louis Armstrong, Count Basie, the Baja Marimba Band, Al Hirt, Lionel Hampton, Duke Ellington. Nowadays, we couldn't possibly afford such performers."

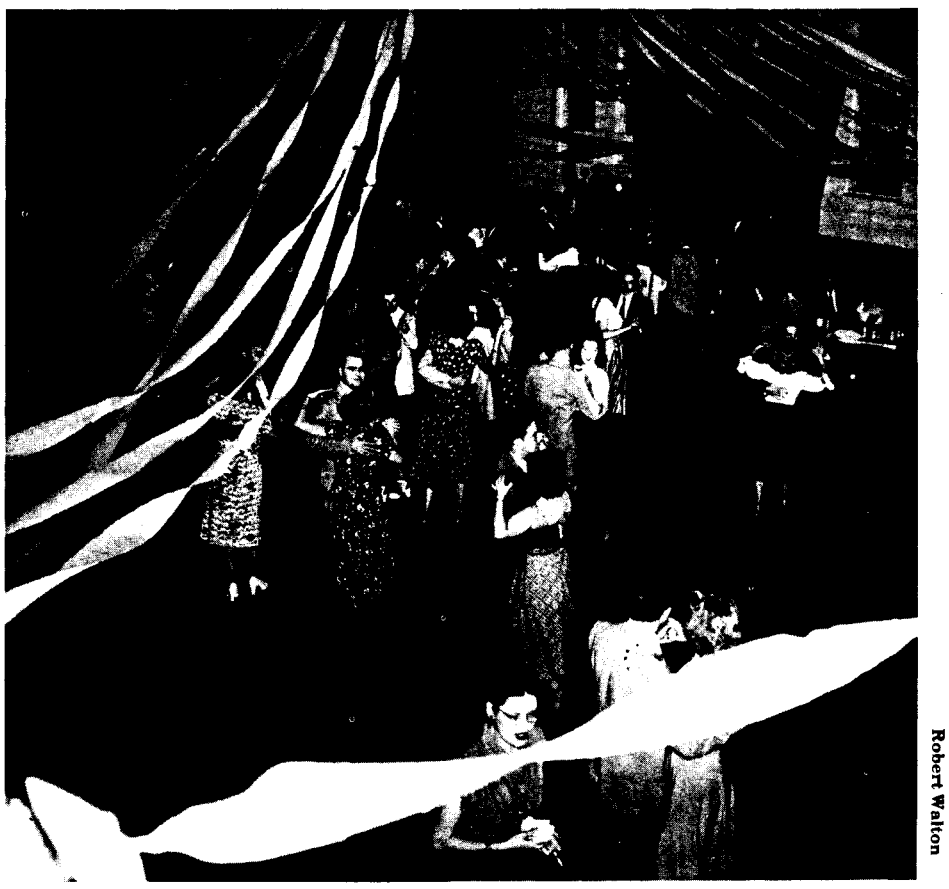
In addition to witnessing an expansion in the type and number of clubs, Laskee has overseen the growth and improvements to recreation facilities and program hours. For example, the number of ball fields was increased from four to six, as softball became the most popular BERA sport; the swimming pool and gym are now open weekends and longer hours; and the Parcourse fitness trail opened September 1984.

As Laskee concludes, "Being associated with the recreation program has, by no means, been all fun and games: There was a lot of hard work involved — with many problems and frustrations. However, I loved every minute of it."

"Working behind the Recreation desk is quite different from working behind the front desk of Personnel, and it is a challenge I welcome," says M. Kay Hunt, who came to BNL's Applied Mathematics Department in 1968, moved to Personnel in 1969 and became the mainstay of the reception area in 1970. "In one way, however, it is the same: I will continue to work with people. As I'm a people-person, that is something I enjoy."

Hunt has also enjoyed BERA activities: She has participated in softball, bowling, volleyball and the Afro-American Culture Club. She served on the BERA board from 1973-76, and twice on the BERA nominating committee, 1972 and 1985. "So you could say that I'm more than familiar with how BERA operates," she says.

At the beginning of the year, Hunt will take charge of the day-to-day operation of the swimming pool, gymnasium, recreation building in the apartment area, Recreation Park, the six tennis courts, the Parcourse fitness trail, the Astronomy Observatory and the BERA Sales Office in Berkner Hall.



Robert Walton

Dancers in the gymnasium at the first annual, mid-summer dance, held on Thursday, August 5, 1948, and sponsored by the Brookhaven Employee Recreation Association.

Recreation Representative Guy Mastrion and Recreation Assistant Richard Parsons will report to Hunt, as they coordinate after-work recreation activities and supervise the lifeguards and the facilities attendants.

What Hunt has already begun and hopes to continue is a working relationship with the Long Island Industrial Recreation Association (LIIRA), an organization of over 150 corporations and businesses interested in athletic fitness, social activity and cultural exchange. "By being an active LIIRA member, I hope to get new ideas, new input and new contacts for Brookhaven's recreation program," explains Hunt.

All BNL employees and their immediate family members are BERA members, as are the employees of Associated Universities Inc. (AUI), BNL and AUI guests and visitors, non-BNL employees working on site and the immediate families of all these groups. Adds Hunt, "I can now officially invite all interested BERA members to participate in BERA activities: Get involved — keep BERA growing."

— Marsha Belford

New Vehicle Stickers Required Soon

Vehicle registration stickers from 1987 (or earlier) will no longer be honored for entry to the Lab site after February 1, 1988. To enter after that date, persons with expired stickers will have to show their Laboratory ID cards or other satisfactory means of identification. Registration cards for 1988 stickers may be obtained at Police Headquarters, Bldg. 50.

Update Your ID

Employees and Guests: Is your BNL identification card outdated? If so, you may renew it on Mondays, Wednesdays and Fridays, from 9:30 to 11 a.m., at Bldg. 50, Police Headquarters. For more information, call Hank Raimondo, Ext. 7258.

AA Meetings Resume

Alcoholics Anonymous (AA) meetings on site will resume on Tuesday, January 5, 1988, at 5:30 p.m., and continue every Tuesday at that time. All employees, others with current BNL identification cards and their spouses are invited to participate. To find out the location of the meetings, call the Employee Assistance Program, Ext. 2733. As participation in AA is confidential, you will not be asked to identify yourself when making the inquiry.

CREF Values

January	$33.54	February	$34.99
March	$36.02	April	$36.02
May	$36.03	June	$37.74
July	$39.33	August	$40.94
September	$40.06	October	$31.55

November $29.30

I-R 100 Winners On Display

An exhibit showcasing the 30 I-R 100 awards won by Department of Energy contractors in 1987 will be on display in the lobby of Berkner Hall beginning next week, until the end of January.

The prestigious 1-R 100 competition is sponsored annually by *Research and Development* magazine to honor the top 100 technological achievements of the year. BNL was recognized with three awards in 1987.

Arrivals & Departures

Arrivals

Stephen H. Ellerd ..... DNE
Kevin B. Hughes ..... Accel. Dev.
Matthew P. Minasi ..... NSLS
Maureen F. Stock ..... DNE

Departures

This list includes all employees who have terminated from the Laboratory, including retirees:

Geir M. Haarberg ..... DAS
Caroline S. Harris ..... DAS
Thomas H. Snowden ..... Plant Eng.

In Memoriam

It has been learned that **Edgar O. Reynolds Jr.**, a former electrician in the Plant Engineering Division who retired in 1980, died on December 4 in Oriental, North Carolina.

He is survived by his wife, Jean; a brother, Quentin, of Bellport; a son, Edgar O. Reynolds III, of Bellport; two daughters, Bettijane Comstock, of Shirley, and Janet Hassell, of Brookhaven; seven grandchildren and one great-grandchild.

The family requests that memorials be made to the Shriners Crippled Children's Hospital or the Bellport Fire Department Scholarship Fund.

Santa Claus Is Coming to Town

For the fifth year running, Santa (Firefighter Rich Richard) and his favorite elf helper (Firefighter Chuck LaSalla) will ride through the site in BNL Fire Engine #2 on Christmas Eve. They'll be on the road, passing most office and laboratory buildings, from 11 a.m. to 1 p.m., and, if you live in the apartment area, you and your family can greet Santa there at about 1 p.m. The visitors from the North Pole will be toting enough candy canes to satisfy everyone — compliments of the 28 members of BNL's Fire & Rescue Group. Last year, this amounted to about 400 candy canes.

The lucky recipient shown with Santa last year is the daughter of Kazumichi Nakagawa, who was then with the Chemistry Department as a visiting scientist from Tokyo University. He sent these photos to Santa and his elf, along with a note that read: "Our daughters were very happy to meet your fantastic Santa on 12/24. . . . We are very sorry not to be able to meet your Santa this December because we will leave here in July. Thank you again for your good gift to children."

A Seasonal Sideline

Christmas comes but once a year, and for Tom Muller, Accelerator Development Department, it's an extra, extra busy time. Muller pursues an unusual sideline: running the tree farm at which he is pictured here.

Muller's Tree Farm started from scratch on wooded property he bought in Manorville in 1971. Muller had two objectives. First, he wanted the experience of working together with his family on the land. Then, he also wanted to put money aside for his four children's college education. With the family's help and a lot of hard work, Muller gradually built up the tree farm, where balled or cut Christmas trees, wreaths and other holiday flora are on sale through December 24. For more information, call the farm number: 878-1060.

Mort Rosen

Holiday Schedule: Gym and Pool

The schedule for the swimming pool and gymnasium during the holidays wil be as follows:

Closed - Wed.-Sun., Dec. 24-27
Open - Mon.-Wed., Dec. 28-30 (normal hours)
Open - Thurs., Dec. 31 (11 a.m.-2 p.m. only)
Closed - Thurs., Dec. 31 (evening hours)
Closed - Fri.-Sun., Jan. 1-3

The pool and gymnasium will reopen and resume normal hours on Monday, January 4.

Note to Diners

Throughout the Christmas and New Year's holidays the vended food service in Bldg. 912 will be open at all times and will be serviced regularly.

The cafeteria will close at 2 p.m. on Thursday, December 24, and remain closed all day Friday, December 25. Snack bar service will be available from 9 a.m. until 2 p.m. on Saturday and Sunday, December 26 and 27.

The cafeteria will close at 5 p.m. on Thursday, December 31, and remain closed all day Friday, January 1.

The Center Club snack and beverage bar will be closed from Saturday, December 19 through Sunday, January 3, reopening at 5 p.m. on Monday, January 4.

The coffee truck will not make its rounds on Thursday, December 24, due to the half holiday.

Bowling

Red/Green League

E. Sperry IV bowled a 247, J. Muller 244, E. Meier 224/201/619 scratch, C. Scarlett 220/210/618 scratch, L. Schairer 217, R. Jansson 211, R. Jones 208, H. Dawson 202, J. Morris 202, R. Mulderig 202.

Purple League

Sharon Smith rolled a 198, Caryl MacDougall 182, Oscar Mirjah 202.

Pink League

Sandy Asselta had a 210, Maria Apelskog 196/193.

White League

High games were bowled by Jeannette Thiede 203, Paul Callegari 203, Rich Scheidet 200, Elaine Zukowski 185.

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for the employees of
BROOKHAVEN NATIONAL LABORATORY

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Telephone (516)282-2345

Social Club

One room for two people may become available for the Social Club's Austrian Ski Trip, February 19-27. Call Doris Terry, Ext. 2228, if you are interested. Due to the fall of the dollar, the total cost of the trip has increased to $1,039.90.

Hospitality News

The next Hospitality Committee get-together will be held Tuesday, January 5, at 9:30 a.m., in the Brookhaven Center. The guest speaker will be Fumiko Mitsuda, who will speak about "Leather Jewelry." Mitsuda will discuss how to make certain types of leather jewelry and will display some of her handiwork.

Please join us for this interesting presentation. Spouses of Lab employees and guests are welcome. Free babysitting will be provided. Coffee, tea and danish will be served.

Bikes at Night Need Some Light

Some hardy individuals continue to ride their bikes through the winter, and, for some people, bicycles are their only means of transportation.

Winter cyclists should remember that, during these winter months, it gets dark by 5 p.m., which is very hazardous for riders without adequate lights and reflectors. If a Lab bicycle is used after dark, the department or division issuing the bicycle should equip it with a functioning headlight and clear reflectors, installed on the rear fender, the wheels and the pedals. If you must ride after dark, wear a reflective vest.

Aerobic Dance

Instructor Pat Campbell will lead the classes on the Aerobic Dance Club's upcoming program. Classes in aerobic dance will be held on Tuesdays and Thursdays, while stretch classes will be held on Mondays. All classes run from 5:15 p.m. to 6:15 p.m. Participants may take any or all of these classes.

The fee for each ten-week session (M, T or Th) is $30, payable at registration, which will precede the first classes and be held on the third floor of the Collider Center, Bldg. 1005S, as follows:

- Stretch — Monday, January 4
- Aerobic Dance — Tuesday, January 5, and Thursday, January 7.

For more information, call Bill Leonhardt, Ext. 2378; Elinor Norton, Ext. 3455; or Janet Sillas, Ext. 2345.

Tickets Available At BERA Store

Islanders Hockey

Date	# Available	Team
Thurs., 1/14	4	Quebec
Tues., 2/16	2	Calgary
Tues., 2/23	6	Vancouver
Thurs., 2/25	2	Chicago
Tues., 3/1	8	St. Louis
Tues., 3/8	8	Vancouver
Thurs., 3/10	4	Quebec
Tues., 3/29	2	Philadelphia

Metropolitan Opera

Date	# Available	Opera
Sat., 1/9	4	*Das Rheingold*
Tues., 1/26	2	*Pelleas et Melisande*
Fri., 2/26	2	*Khovanshchina*
Tues., 3/8	2	*Ariadne auf Naxos*
Fri., 4/8	4	*Werther*

Call Louisa Barone at the BERA Sales Office, Ext. 3347, for further information.

Last Sale Day at Science Shop

Mort Rosen

Today is the last shopping day before Christmas at the Science Shop. Located at the Exhibit Center in Bldg. 701, the Science Shop is open from 10 a.m. to 3 p.m. Like these shoppers, you'll find that the items on sale are intriguing, educational and fun — and the prices are right.

Bulletin Schedule

The Bulletin will not be published on December 25 and January 1 because of the Christmas and New Year's holidays.

Swim Club

At the Flushing YMCA masters swim meet on October 25, six BNL swim team members collected 15 ribbons for top-three finishes in their respective age groups. As well, Wlodek Guryn placed first overall in the 200-yard individual medley, and Peter Heotis was third overall in the 100-yard butterfly.

50-yard Freestyle		
Peter Heotis	25.900	2nd men 35-39
Peter Cameron	28.574	5th men 40-44
Paul Michael	32.639	3rd men 55-59
Marsha Belford	36.450	5th women 30-34
100-yard Freestyle		
Peter Heotis	58.157	2nd men 35-39
Peter Cameron	1:02.708	4th men 35-39
Paul Michael	1:15.094*	2nd men 55-59
Marsha Belford	1:16.027	6th women 30-34
200-yard Freestyle		
Peter Cameron	2:24.540	2nd men 40-44
Marsha Belford	2:49.667	5th women 30-34
Paul Michael	3:03.609	4th men 55-59
50-yard Butterfly		
Peter Heotis	28.297	2nd men 35-39
Wlodek Guryn	30.035	4th men 35-39
Peter Cameron	34.900	3rd men 40-44
100-yard Butterfly		
Peter Heotis	1:05.120	2nd men 35-39
50-yard Backstroke		
Wlodek Guryn	34.145	2nd men 35-39
50-yard Breaststroke		
Wlodek Guryn	35.669	1st men 35-39
100-yard Individual Medley		
Wlodek Guryn	1:09.546	3rd men 35-39
Peter Cameron	1:15.919*	2nd men 40-44
Paul Michael	1:34.446	1st men 55-59
200-yard Individual Medley		
Wlodek Guryn	2:36.556*	1st men 35-39
Marsha Belford	3:12.170	2nd women 30-34

* indicates personal record

New Season At Swimming Pool

Tickets for a new four-month season (January through April, 1988) will go on sale at the pool during open hours starting Monday, January 4.

Fee schedule

Season tickets (fees not prorated):

Individual membership	$30.00
Family membership	$40.00

Season tickets are sold only to employees and their immediate family members residing in the same household.

Daily admissions:

Employee	$1.50
Family member	$1.50
Guest	$2.00

Open hours

Monday through Friday:

11 a.m. to 1:30 p.m., employees only

1:30 to 2 p.m., reserved for speed swimming and training

5 p.m. to 9:30 p.m., employees, families and guests

Saturday and Sunday:

1 p.m. to 6 p.m., employees, families and guests

The pool is closed on all Laboratory holidays.

Guest ruling (Applies to pool as well as to other recreation facilities.)

One guest - An employee is allowed to bring one guest per visit without special permission or prior arrangement. The employee must accompany the guest.

Two to five guests - Advance arrangements for two to five guests may be made at the Recreation Office in Personnel. No more than five guests per employee is ever permitted. When such an arrangement is made, an admission card is issued stating the employee's name and life number, the number of guests permitted, the date of the visit and the facility to be visited. Guests must be accompanied by the employee, who will be requested to show the admission card at the main gate and at the swimming pool ticket desk.

Volleyball

Standings - Week of December 7

League I	
Upfagrabs	21-3
Dinkers	16-8
Xrayted	13-11
Cannonballs	10-14
Phoubars	7-17
Bumpers	5-19
League II	
Set-Ups	17-4
Nuts & Bolts	15-6
Chunga's Revenge	12-9
Fossils	10-11
Slammers	10-11
Photons	4-14
Upton Ups	3-18
League III	
Printouts	15-3
Sourcerers	12-6
Renegades	11-7
Screwballs	11-7
MISfits	8-10
Spikes	8-10
Airheads	6-12
Good Times	1-17
Open League	
Dakota	13-2
Serendipity	13-5
Phoenix	11-4
Not Too Bad	8-7
Rowdy Radicals	5-10
Duituits	2-13
Leftovers	2-13

Poinsettia Care

The poinsettia has long been a popular Christmas gift and a symbol of yuletide. The Cooperative Extension Association of Suffolk County offers the following advice for caring for poinsettias:

- Place in a bright sunny window, but avoid areas with drafts or sudden fluctuations in temperature. The poinsettia's flower bracts last longest when daytime temperatures are from 60 to 70° F, and there is a 5 to 10 degree drop in temperature at night.
- Do not allow the leaves to touch cold windowpanes.
- When the top layer of soil feels dry to the touch, water the poinsettia until water runs through the drainage holes in the bottom of the container into a saucer. Wait 15 minutes, then discard the excess water.
- Fertilize the poinsettia regularly with a water soluble, chemical houseplant fertilizer following label directions.

Classified Advertisements

Placement Notices

The Laboratory's placement policy is to select the best-qualified candidate for an available position, with consideration given to candidates in the following order of priority: (1) present employees within the department and/or appropriate bargaining unit, with preference to those within the immediate work group; (2) present employees within the Laboratory as a whole; and (3) outside applicants. In keeping with the Affirmative Action plan, selection decisions are made without regard to age, race, color, religion, national origin, sex, handicap or veteran status.

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all non-scientific staff positions; second, to give employees an opportunity to request consideration for themselves through Personnel; and, finally, for general recruiting purposes. Because of the priority preference policy stated above, each listing does not necessarily represent an opportunity for all candidates. As a guide to readers, the listings are grouped according to the anticipated area of recruitment.

Except when operational needs require otherwise, positions will remain open for one week following publication date.

For further information regarding a placement listing, contact the Employment Manager, Ext. 2882.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees only.

2747. SECRETARIAL POSITION - (term position) Requires AAS in secretarial science or equivalent experience and a knowledge of Laboratory policies and procedures. Will provide varied secretarial support to two scientific groups. Responsibilities will include typing of technical reports and correspondence, travel arrangements, maintaining files, and processsing purchase orders. Micom word processing as well as a demonstrated ability to organize and prioritize necessary. Department of Nuclear Energy.

2748. EXPERIMENTAL MACHINIST - (2 openings) Central Shops Division.

2749. TOOL AND INSTRUMENT MAKER - (3 openings) Central Shops Division.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside applicants.

2750. ENGINEERING POSITION - Requires BS/MSME and a minimum of two years' experience in one or more of the following areas: mechanical design and shop fabrication practices, vacuum system design, component design involving high electrical current/voltage, instrumentation and mechanism design. Accelerator Development Department. (Reposting of Job #2664).

2751. PROGRAMMING/ANALYST POSITION - Requires BS/MSCS and 2-3 years' experience; or BS in physics with 3-4 years' computer related experience. Duties include all aspects of software projects (interfacing, design, coding, debugging, testing, documenting, etc.) Knowledge of C, UNIX and LISP helpful. Work involves development of particle accelerator control systems on Apollo work stations using modern languages. Accelerator Development Department.

Motor Vehicles & Supplies

86 CAMARO SPORT COUPE - V6, 26k mi., $8,200; 84 Chevy pickup, 305 V8, trailer pkg., a/c, cap, $6,300. Bob, Ext. 4612 or 929-4753.

75 FORD COURIER - A-plus engine, F-minus body , $250; 72 Audi 100LS, tow it away & it's yours. Rich, Ext. 3386.

TIRE RIMS - 13", $5. Susan, Ext. 4267.

71 VW BUG PARTS - rebuilt cyl. heads & Webar carburetor, $100 for both. Fred, Ext. 4407 or 4435.

77 TOYOTA CORONA WAGON - 5 speed, 132k mi., runs well, very reliable, $595. Dave, 588-2916.

74 JAGUAR XJ6 - project car, excel. running, $2,200 or trade. Kevin, 281-8031.

75 VOLVO 244 - good tires, rebuilt engine & transmission, $1,800 or best offer. 283-5124.

84 CHRYSLER LASER - a/t, a/c, more, excel. cond., must sell, $4,200. Ext. 2446 days or 924-1911 eves.

81 GRAND WAGONEER - 8 cyl., new brakes & exhaust system, all power, 84k mi., clean, $4,500 neg. Ext. 7686 or 878-0897.

82 DATSUN 200SX - 5 speed, a/c, SL pkg., 99k mi., excel. cond., asking $2,800. John, Ext. 7770 or 4480.

84 MAZDA PICKUP - cap, 8' long bed, heavy duty bumper, am/fm cass., new brakes & tires, $3,800. 289-0898.

EXHAUST MANIFOLD - for Toyota 20R engine, like new, $50. Mike, Ext. 4100.

79 HONDA CIVIC - 85k mi., some new parts, good tires, runs well, $700. Pete, Ext. 4100.

75 CAMARO - 6 cyl., rebuilt engine, wire wheels, raised lettered tires, louvres, $1,500. Ext. 2529 or 588-7989 eves.

79 CHRYSLER LEBARON - a/t, p/s, p/b, a/c, clean, 83k mi., $1,495; 75 Plymouth Valiant, a/t, p/s, high mi., runs well, $495. 277-4091.

82 CHEVY CITATION SEDAN - 2 dr., p/s, am/fm cass., 4 speed, 60k mi., $2,000. Doug, Ext. 4237.

77 VW RABBIT - gas, 4 speed, must sell, $200. 286-8060 after 5 p.m. and wknds.

79 OLDS DELTA 88 ROYAL - full power, tilt wheel, am/fm, cb, excel. cond., $1,500. 395-1554 after 7:30 p.m.

86 SUZUKI FA50 SCOOTER - excel. cond., $300. 821-0250.

TOOL BOX - for small pickup truck, crossover type, plastic, like new, $50. 744-5122 after 6 p.m.

76 GRANADA - 4 dr., rebuilt 302 auto, many extras, asking $500. Ext. 3464 or 737-1458 after 6 p.m.

84 HONDA ATC 200X - many extras, runs well, just serviced, first $500 takes it. Bob, Ext. 5222 or 744-3289.

KAWASAKI ATV - 110, low hours, excel. cond., new windshield, $600. Rich, Ext. 4986 or 727-0364.

87 KX80 DIRT BIKE - professionally maintained, excel. cond., $750. Lois, Ext. 4904 or Bob, Ext. 4672 or 929-4753.

80 HONDA CIVIC - hatchback, 4 speed, radio/cass., roof rack, $2,000. 744-5448 after 5 p.m.

77 FORD LTD - p/s, p/b, a/c, am/fm, good cond., high mi., $400. 395-4272.

SERVICE MANUALS - 82 Chrysler motors. Duke, Ext. 2957.

81 CAMARO - am/fm cass., p/s, p/b, a/c, very good cond., $2,700. 585-4741.

Boats & Marine Supplies

24' BAYLINER - 1977, fiberglass, new engine, flying bridge cabin, bath, swim platform, excel. cond., $16,500. 289-0883.

22' SEAFARER SAILBOAT - 1974, 3 sails, Volvo O/B, full keel, wet storage paid, $4,000. Fred, Ext. 4407/4435 or 499-1214.

SAILBOARD - HiFly 343, good learning & recreational board, everything included, good cond., $270. John, Ext. 2671 or 821-2585.

Miscellaneous

COACH HANDBAG - original, classic shoulder style, dark brown, excel. cond., $70. Kathy, Ext. 3652.

CONVERTIBLE COUCH - light brown, 5', like new, orig. $275, sell for $75. 654-5485.

FIREWOOD - split, mixed, no pine, delivered locally, $110/cord. Glenn, 924-6918 eves.

PIANO - Haldman and Deck spinet, needs $150 work, sell for $100 or best offer. Carol, Ext. 3315.

WATER BED - king, four poster, complete, $90; metal shed, 8x10, w/base, $70; seasoned oak, $75/cord. Ext. 5611 or 281-2002.

COFFEE TABLE - $35; table, $20; wood étagère, $10. 689-7259 after 6 p.m.

LIVING ROOM FURNITURE - couch, loveseat, recliner, 2 end tables, coffee table, wood frame, black vinyl, $130. 878-2421.

DITTO COPYING MACHINE - cabinet, fluid, mounting base & cover, excel. cond. Frank, Ext. 3120.

ANTIQUE CHEST - $45; antique school desk, $45; maple spindle table, $55; antique hall mirror, $95; more. 928-5230 or 744-2203 after 6 p.m.

SKIS - Rossignol Elite, 166cm, w/poles, bind., $30; ski boots, 2 pairs, size 10, $20/each; Honda generator, 1000W, little use, $300. 744-6423.

KEROSENE HEATER - scale, super 8 movie cam., instamatic, light & sink fixture, all reasonable. Sal, Ext. 2460.

19 INCH B/W TV - $20; 26-inch girl's bike, $25. I. Meyer, 929-4326.

MOTORIZED RECLINER/LIFT CHAIR - upholstered, excel. cond., $250. Ron, Ext. 3887, 286-0353.

IBM COLOR GRAPHICS CARD - $50; Gemini 10-X printer for parts, $25; IBM w/20 mbhd 8087, monitor, & more. Ext. 2521, 924-2134, eves.

LAWN SWEEPER - 31" Lambert Libra Model MT-319, good shape, $100. Rick, Ext. 3932.

HUMIDIFIER - Edison, wood grain console, 4 gallon. Tony, 698-9274.

TAPE DECK - Akai TC-FX66, Dolby, excel. cond., $45. Ext. 4848 or 744-2947.

CONVERTIBLE COUCH - light brown, like new, orig. $275, sell for $75. Ext. 4144 or 472-1518.

CAPTAIN'S BED - w/matching 5-drawer, 2-shelf dresser, excel. cond. $375. 473-8750 evenings.

LIVING ROOM FURNITURE - 3 pc. set, couch, loveseat, rocker, oak w/separate cushions. 395-1554.

VIOLIN - good for a young and interested student, nice present. Babs, 727-7741.

BALDWIN FUN MACHINE ORGAN - Gilbert & Braker oil burner head, old but good; CB - S.S. 6' whip w/spring. Charlie, Ext. 3897.

WOODSTOVE FIREPLACE INSERT - large, plus firewood, $250; color TV, 19", $185. Jon Sanborn, Ext. 7289.

KEROSENE HEATER - Radiant 36, good cond., 9400 Btu/hr., 5 gal. fuel, $90; 14 ea. wood screens, storm windows, fair-good cond., $50. Ext. 3794.

BOY'S WINTER JACKET - w/detachable vest & hood, size 16, $15; skateboard, $15; 20" bike, needs seat, tires, $15. S. Spark, Ext. 4111.

MOVING SALE - BMX bike, steel desk, children's table & chairs, armoire, kitchen wall cabinet, 878-9418.

MATTRESS AND BOX SPRING - twin-size, excel. cond., $150. Steve, Ext. 7862.

CASTLE GREYSKULL - w/six He-man figures, $10. 929-3550.

HOT ROLLERS - hair setting, $10; two shower massagers, $20, facial machine, $5. Ext. 5069.

SOFA & LOVESEAT - 80" sofa, loveseat, almond, good cond., $250. 588-5287.

HUMIDIFIER - by Presto, console, automatic humistat, in good condition, asking $30. Ext 2683 or 751-2469.

FREEZER - good cond., upright w/lock and key, $100. Ext. 3464 or 737-1458 after 6 p.m.

BEWO 10" CARBIDE CHOP SAW - 2 spd., flood coolant, free standing, excel. cond., $300. Bob, Ext. 5222 or 744-3289.

GRANDFATHER CLOCK - glass sides, triple chime movement, moving moon dial, $350. Joe, Ext. 2898.

ICE SKATES - double runner, size 13, figure boys size 1 & 5, $5 ea; woman's size 10, $10. Rich, Ext. 4986.

BOY'S SOLID WOOD BEDROOM SET - dress w/mirror, headboard w/frame, night table, $125. Ext. 2888 or 286-0422.

PANASONIC MICROWAVE — mint, full-size, $150; student desk, wood, slate top, $60; Tiffany kitchen fixture, beautiful, $60. 473-3070.

MOVING SALE - 3 bedroom sets, dishes, dining & kitchen sets, lawn equipt., desks, coffee table, sewing machine, bikes, etc. 277-4091.

DECK HOCKEY EQUIP. - all positions, good cond., highest price $15. Cheryll, 588-2239 after 5.

HI-RISER BED - like new, opens to queen size, $100. 744-0722.

ÉTAGÈRE - chrome & glass shelf unit, contemporary style, 6' high, 3½' wide, 18" deep, $50. 744-0722.

CONVECTION OVEN-BROILER - Toastmaster System 4, bought new, used three times, selling for $60. 727-5912.

REFRIGERATOR - top freezer, GE 13.9 cu. ft., copper color, very good, $175. 281-7844, eves.

ICE SKATES - two pair woman's white skates, sizes 6 and 8, one pair child's black skates, size 3, $12.50 each pair. 928-1942.

COLONIAL BEDROOM - 2 dressers, mirror, 2 night tables, queen size hdbd., $250 or best offer; 6 pcs. sectional, beige. Marie, Ext. 7716 or 821-3556.

CHRISTMAS TREE - 7½ foot spruce, never used, $60. Ext. 2350

7-FOOT BLACK FOREST PINE TREE - complete w/stand, lights and trim, $60. Ext. 4424 or 289-3316 after 5 p.m.

CHRISTMAS TREE - new, $30; crib w/mattress, $40; iron, $10; Eureka vacuum cleaner, $35. Chris, 3191.

COMPACT DISC PLAYER - Yamaha CD2 w/remote, $250, best rating; Ethan Allan Canova end table, $125; corner table, new, $140. 744-6423.

WORK BENCH CHAIR - adjustable, excel. cond., $25. 744-5871.

WHIRLPOOL WASHER & DRYER - apartment sized, stackable. Tom, Ext. 5350.

COUCH & LOVESEAT - earth-tone colors, excel. cond., asking $250. 473-7667.

GEM TUMBLER - w/extra grinding & polishing compounds, ideal Christmas gift, new, $30; sturdy workshop table, $8. 878-6637.

NEW MOTORIZED TREADMILL - computer readout, 1.5-9 MPH, walk or run, originally $600, $400 negotiable, can deliver. 472-0029.

BEDROOM SETS - 1 contemporary, 1 Colonial, $250 ea. or $450 take both, neg. 471-2370, noon -9:00 p.m.

PUNCH PRESS - standard mach'y, #2B, kick operated, $200. F. Paffrath, Ext. 4435 or 4407.

WASHER & DRYER - good working condition, $100 for the pair. Ext. 5124.

KITCHEN SET - table with leaf, 4 chairs, $50. Tony, 698-9274.

BEE HIVES - photo enlarger & dk. rm. equip., Wen router, Wen sabre saw. 363-6411.

SHAMPOOER/POLISHER - Hoover F4143, brand-new, $50; range hood, 30" white, still in box, $30. Ext. 4727.

DAYTON SUMP PUMP - split phase, new, $60; ratchet threader, new, $60; hand snake, used, $30. 878-6637.

CONVERTIBLE SOFA - full size, Herculan cover, $250. 289-1605 after 5 p.m.

SKI BOOTS - woman's, size 7, Heierling, excel. cond., $45. 751-8403 after 6 p.m.

POOL TABLE - 4 x 8, good cond., w/accessories, $50. 584-7350.

5 TANNING SESSIONS - Patchogue, $25. Ext. 5130.

Free

PUPPIES - 9 wks. old. Laurie, 281-3160.

Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed, sex or national origin of the applicant.

For Sale

FOREST HILLS - lg. studio coop, newly renovated, parking space, near F-Train, 20 min. to midtown, low maintenance, $69,000. (718) 261-8377.

HILTON HEAD, S.C. - 3 bdrm. condo, sleeps 8, 2 baths, washer/dryer, wet bar, 6 tennis courts, whirlpool, 3 swimming pools, golf, ocean view, asking $89,000, will rent. 929-8912.

MASTIC - private 3 bdrm. country style ranch, 2 baths, eik, w/w, 2 car garage, fenced, public water, full subdividable acre, low taxes. 281-2002.

For Rent

PORT JEFFERSON - 3 bdrm., eik, 2 car detached garage, full basement, 3/4 acre. Available 12/15, $1200/month. 928-8244, leave message.

YAPHANK - 3 room small bungalow, single working male preferred. $400 includes electric and hot water. 475-0002 after 5:30.

ROCKY POINT - large clean studio apt., walk to beach, $365 incl. utilities and cable. Available immediately. 744-2045.

PATCHOGUE - bdrm, bathroom, kitchen-living combo, private entrance, $500/mo. includes util. & cable. 758-2544.

NORTH SHIRLEY - one bedroom apt., w/w carpet, 5 minutes from Lab, no pets, non-smoker, older working couple preferred, $550 pays all. 924-6877.

BROOKHAVEN HAMLET - room for rent, share entire house with 2 other professionals, 4 bdrms, 2 baths, spacious, 3/4 acre wooded, $350 includes all. Randy, Ext. 3835.

MASTIC - room in shared house, 3 bdrm, lr, den, dr, eik, 1 bath, laundry, fenced yard, clean, comfortable, alarmed, 10 min. to Lab, non-smokers, $395 + 1/3 util. 399-3087 or Ext. 5110.

BELLPORT BEACH ESTATES - contemporary, 3 bdrms, 2 baths, l/r, d/r, den, eik, f/p, w/w, garage, bike to village, bay, many extras, no pets or smokers, 286-2005/698-0576 after noon.

HILTON HEAD, S.C. - two bdrm condo, sleeps six, beach pol, tennis, golf, Dec. & Jan. $250/wk. 585-9149.

MEDFORD - 2 room apt., new, large, full kitchen, LR/B combo, private entrance, w/w, cable, mature person, $500 mo. + 1 mo. security, includes all. 654-5411.

Wanted

FREEZER - upright or chest. Ext. 7909.

DOLLS - buying very old or unusual dolls, bears, toys, or accessories for dolls, 475-4199.

TRAINS - Lionel, American Flyer, accessories, any cond. brings good price. Carole, Ext. 7100 or 924-4097 eves.