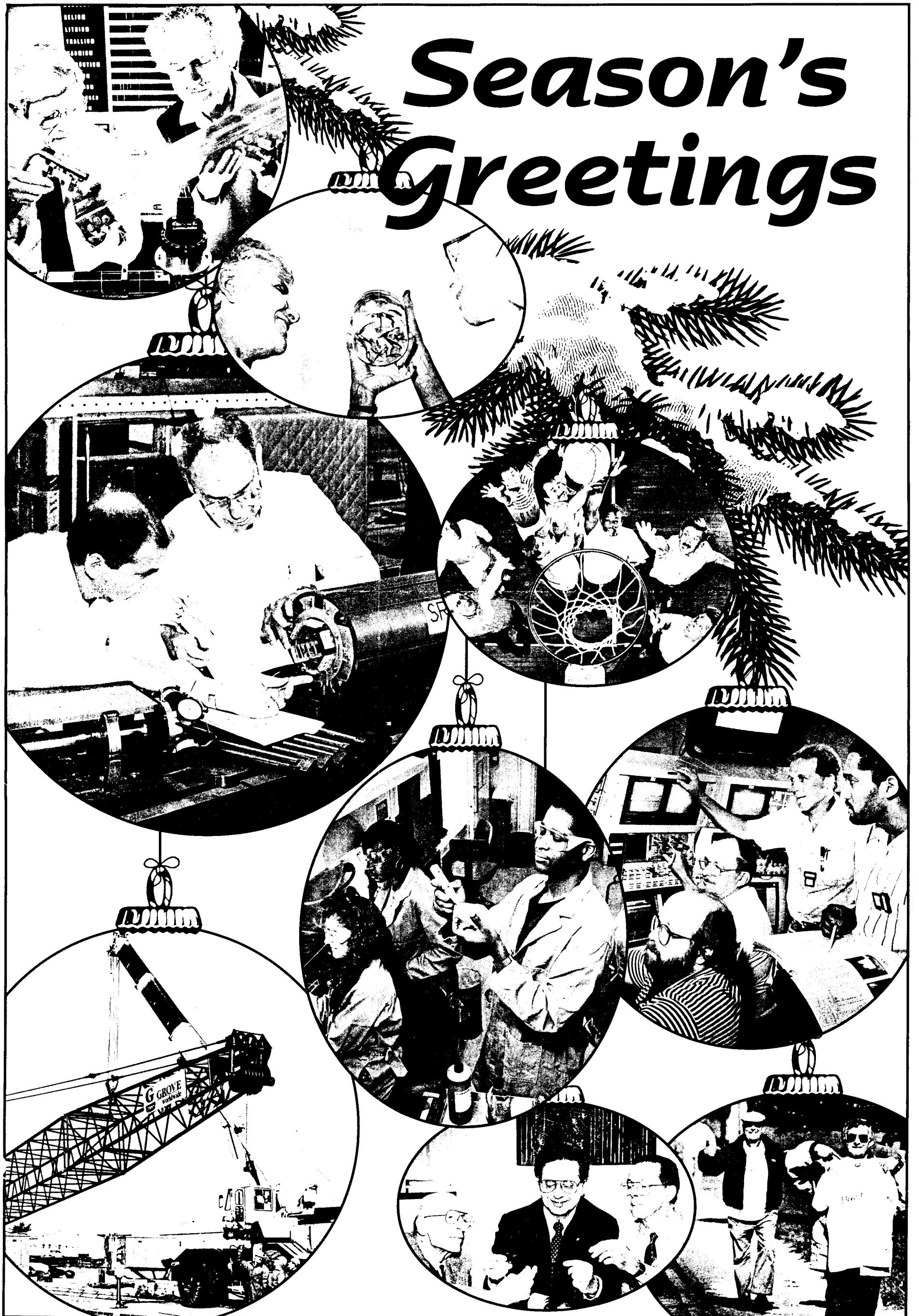


# BROOKHAVEN BULLETIN

Vol. 47 - No. 49

December 17, 1993

BROOKHAVEN NATIONAL LABORATORY



# Seven Recognized for Contributions to the Laboratory

In two separate ceremonies this week, BNL Director Nicholas Samios presented the Laboratory's two highest honors to seven staff members. Summaries of each recipient's contributions are given here, and greater detail will be provided in the Bulletin of January 7.

On Monday, December 13, the two Brookhaven scientists pictured at right were honored with 1993 Distinguished Research & Development Awards, each receiving a check for \$5,000, before taxes, and an engraved memento. The highest of the four types of awards in the Employee Recognition Program, this award recognizes distinguished contributions, over a period of one or more years, to the Lab's research and development mission.

The 1993 Brookhaven Awards were bestowed on Tuesday, December 14, recognizing the five employees shown below for key contributions in support areas and outstanding service to BNL. Each award consists of \$2,000, before taxes, and an engraved memento.

**Michael Brennan, Physicist, Alternating Gradient Synchrotron (AGS) Department,** has established himself as one of the world's pre-eminent accelerator physicists specializing in radio frequency (rf) acceleration systems. With his unique abilities, Brennan has made outstanding contributions to the design, construction and leadership of the Booster and AGS rf projects.



**Gen Shirane, Senior Physicist, Physics Department,** is recognized as the world's leading expert in the utilization of neutron scattering techniques as probes in solid-state physics. His 30-year career in neutron scattering has produced nearly 500 scientific papers, many of which opened up new fields or provided the key experiment in unraveling difficult solid-state problems.



**Joseph Hanson, Technical Supervisor, Photography & Graphic Arts Division,** is being commended for overseeing the Quick Copy service during 15 years of ever-increasing demand. Hanson's supervision and attention to detail have been critical to the production of some 1.5 million copies per month.



**Bruce Penn, Department Administrative Manager, Department of Advanced Technology (DAT),** was honored for his outstanding contributions to DAT's administration, including the areas of control, management and cost reduction. In one case, his efforts saved over \$1 million on closure of a significant program.



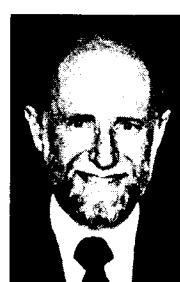
**Alfred Roebuck, Senior Technical Supervisor, Physics Department,** was honored for his key contributions to experimental physics through his supervision of the Physics Machine Shop for 20 years, coordinating a staff that serves the diverse needs of researchers at many of BNL's major scientific facilities.



**Ralph Sanders, Senior Research Engineer, Alternating Gradient Synchrotron Department,** was acknowledged for his innovative engineering of many important projects during his 28 years with the Lab. In particular, he was cited for the design, construction and operation of the AGS rf acceleration systems.



**Neal Tempel, Senior Staff Specialist, Biology Department,** has shown excellence in carrying out his responsibilities as Biology's environment, safety & health coordinator, energy coordinator and building manager, including long-range planning for construction and renovations and general building maintenance.



## Winners' Circle

Employees with ideas for enhancing Lab safety or saving BNL money in areas outside their own job responsibilities should consider submitting their suggestions to the Employee Suggestion Program (ESP). ESP forms are available in department and division offices and through Personnel, Bldg. 185. An original idea could win 10 percent of the estimated savings, up to a maximum of \$10,000.

Congratulations to the following BNLers who have entered the ESP winners' circle:

**Patrick Asendorf,** an assistant staff specialist in the Biology Department, received \$25 for his suggestion to install "No Parking" signs at handicap ramps. His suggestion is expected to enhance employee safety.

**Lorraine Barry,** a personnel assistant in the Personnel Division, identified a potential traffic hazard at the Main Gate and entrance to the Child Development Center (CDC). As a result of her suggestion, BNL patrol officers now place cones at this location so that drivers will not change lanes to access the CDC entrance. Barry received \$50 for enhancing safety for employees and their children.

**Anne Flood,** a senior administrative assistant for the RHIC Project, received \$50 for her suggestion to add "Private" envelopes to BNL stationery stock. Suggestions for additions to or modifications of stock items are not usually eligible for award consideration; however, exceptions are made when suggestions are deemed unique and/or of universal interest. Private envelopes, which are available from

stock as item No. S-32105 and have been in use for some time, have been exceptionally well received and widely used throughout the Lab.

**Victor Gutierrez,** a QA engineer for the Director's Office, received \$25 for his suggestion to install backup alarms on vans. Implementation of his suggestion has resulted in increased safety.

Retiree **Eugene Kaplan** was a senior technical specialist in the Alter-

nating Gradient Synchrotron Department when he was awarded \$25 for his suggestion to paint no-parking zones in front of fire hydrants. By pointing out specific locations that had been overlooked, such as the hydrant in front of the Credit Union, Kaplan has enhanced safety at BNL.

**Barbara Pringle,** an administrative assistant in the Division of Contracts & Procurement, was awarded \$25 for her suggestion to provide handi-

capped parking in close proximity to the handicap ramp at the Upton Post Office. Pringle's suggestion resulted in increased safety for BNL's disabled employees, guests and visitors.

**Jeffrey Tabacco,** a custodian in the Plant Engineering Division, received \$25 for his suggestion for increasing awareness of BNL's recycling efforts by installing a sign at the Lab entrance reminding employees to recycle.

## Taking It Seriously — Even False Alarms

Passers-by who saw flashing lights and uniformed officers on Technology Street on Wednesday, December 8, may have wondered what was going on.

The hubbub centered on a construction site between the National Synchrotron Light Source and the east side of the Physics Building, where workers installing a chilled water line had found a sealed metal cylinder while backfilling a 15-foot-deep hole.

Knowing that mines and other munitions left over from the site's days as the U.S. Army's Camp Upton have been found elsewhere, the workers decided to play it safe and stay away until the object could be identified. They notified BNL Police, who called in the Fire/Rescue Group, and examined and photographed the object while sealing off the area from traffic as a precaution.

"It was about the size of a five-gallon can, with two ribs and bolts on the top," said Police Chief Al Berretta. "It was rusted, so the only marking we could make out was yellow

paint on one end," which could have indicated the object was a hazardous ordnance.

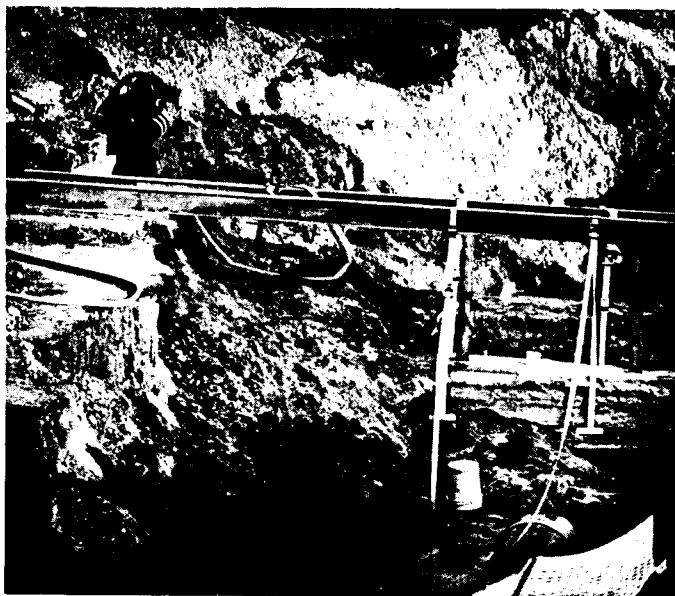
But, neither BNL officials nor the Suffolk County Emergency Services bomb squad, which was called in next, could say for sure what was sitting there. After radiation scans registered nothing, a Suffolk County remote-controlled robot, followed by an agent in a black bomb-proof "moon suit", were sent down to investigate and bring the device up to be detonated at the Police Group's grenade range.

Meanwhile, officers on the scene contended with some pedestrians who ducked under the yellow caution tape. "We put up these police lines for the safety of the people, and they should not be breached," Berretta said. In the end, Suffolk County bomb experts determined that the object was too heavy to be a munition. A Plant Engineering employee identified it as a bulldozer-type track guide part, and the cylinder was placed on the scrap heap.

The part will probably end up as a souvenir on Berretta's desk, but even the false alarm was worth taking seriously, the chief says. "It's better to be on the side of safety," when dealing with potential explosives, he continued. If you come across any unknown devices while digging or walking on the site, play it safe: Call the police headquarters' emergency number, Ext. 2222.



A member of the Suffolk County Emergency Services team prepares to enter a construction site hole (photo left) to examine and retrieve an unidentified buried object (UBO) found there last Wednesday and thought to be a leftover mine. Above, he takes a closer look at the UBO, which later turned out to be a tractor part.



Roger Stoutenburgh

## Addled Addresses

- Brookhaven (Tapes)
- Brookhaven Nution Lab
- Brooklyn Nat'l Lab
- Beokhaven National Laboratory
- Pupton, New York 11973

## Voice Message Test

On Wednesday, December 29, the existing VMX voice mail service will stop accepting messages, as the new Octel voice mail service will automatically come on line to take its place and all VMX users automatically will become Octel subscribers. The VMX system will be taken out of service for good on Friday, January 7.

In the meantime, on Wednesday, December 22, final testing of the Octel system will take place. As a result, voice mail will not be available at BNL between 6 p.m. and 9 p.m. that day. First thing the next day, users may hear the dial tone that indicates that they have messages, but they will have to check the Octel system to be sure.

To use the Octel system, voice mail subscribers must initialize their mailboxes. To do this, use the instructions provided during last week's Octel training classes; or dial the Octel access extension, Ext. 7500, and follow the directions given over the phone; or call Nick Pisco, Ext. 2000, to obtain Octel pamphlets describing the system and its procedures.

## Bowling

### Red/Green League

E. Larsen bowled a 246/210/628 scratch series, J. Goode 238/200/620 scratch, R. Wiseman 236/214/204/654 scratch, E. Meier 236, R. Mulderig Jr. 221/607 scratch, O. Mirjah 218, K. Riker 215/202, K. Asselta 214, E. Beadle 211, R. Larsen 203/200, K. Koebel 203, P. Ouvrard 203, R. Raynis 202.

### Purple League

Ray Raynis bowled a 225/205, Manny Dador 208, Norm Bessemer 201, Maryann Reynolds 195/177, Tirre Farmer 193. Lynette Finlay converted the 6/7/10 split.

### White League

John Niemczyk bowled 227, Bob Geib 225, Kevin Carney 225, Jim Goode 221, Gerrie Riker 199/188/170, Pat Manzella 196/193, Lorraine Roecklein 188/175, Sharon Smith 172. Lorraine Petro converted the 4/7/10 split, Gerrie Riker 6/10, Diane Romano 4/6.

# BROOKHAVEN BULLETIN

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ANITA COHEN, Editor  
MARSHA BELFORD, Assistant Editor

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## On the Cover . . .

# 'Tis the Season to Look Back

The BNL tree on our holiday cover was decorated by graphic artist Kathy Foy, Photography & Graphic Arts Division. The photos, which all appeared in the Brookhaven Bulletin this past year, highlight some of the activities and successes of 1993 (see key):

1. The Long Trace Profiler (LTP) is the standard instrument for measuring the shape of synchrotron radiation mirrors. In September, BNL and Con-

tinental Optical Corporation of Hauppauge were joint winners of a 1993 R&D 100 Award for the LTP II, for which Peter Takacs (left), Instru-

## Here Comes Santa Claus!



For the 11th year, Santa Claus will be coming to Upton town, sharing good cheer and distributing candy canes, compliments of BNL's Fire/Rescue Group and the rest of the Safety & Environmental Protection Division. This year, for the first time, former elf, Sergeant Chuck LaSalla, will be playing Santa, while Firefighter Frank Palmeri Jr. will assume the elfin duties.

With Fire Engine #2 as their sleigh, Santa and his elf will visit the Child Development Center on Monday, December 20, at 9:30 a.m. Then, they'll make the rounds of offices and laboratories on Thursday, December 23, beginning at 9:30 a.m. While they will try to visit every building on site, if they missed yours in the past or if you want Santa to make a special appearance in your workplace, call the North Pole at Ext. 2351 to make a reservation.



©1993 by Sidney Harris - From Personal Ads to Cloning Labs, W.H. Freeman and Company

## Holiday Notes & Schedules

In observance of Christmas and New Year's Day, the Lab will be closed for a half day on Thursday, December 23, and the entire days of Friday, December 24, and Friday, December 31. As a result, the following schedules will be in effect:

• **Brookhaven Bulletin** — There will be no Bulletin next week; the next issue will be distributed on Thursday, December 30. The classified ad deadline for that issue is 4:30 p.m. on Tuesday, December 21; other submittals are due by noon on Monday, December 27. The classified ad deadline for the following issue, on January 7, will be 4:30 p.m. on Thursday, December 30.

• **Credit Union** — The Teachers Federal Credit Union will close at 1 p.m. on Christmas Eve, Friday, December 24, and on New Year's Eve, Friday, December 31. The automatic teller machine in the foyer of Berkner Hall will be open throughout the holidays.

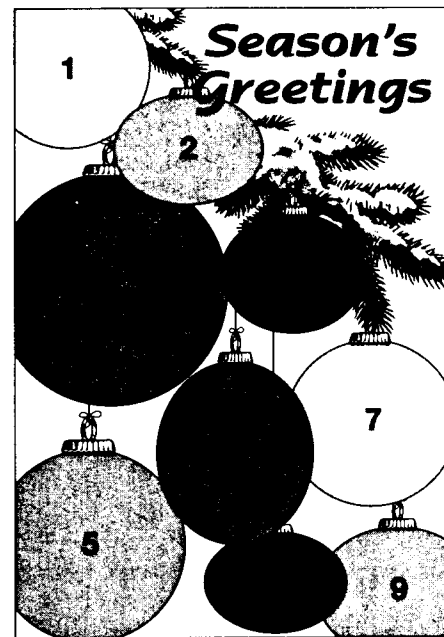
• **Food Services** — The Cafeteria will offer full service until 1 p.m. on Thursday, December 23, and weekend service from 9 a.m. to 2 p.m. on Friday and Sunday, December 24 & 26; it will be closed on Saturday, Christmas Day. The next week, the Cafeteria will offer weekend service, 9 a.m. to 2 p.m., on Friday, December 31, and Sunday, January 2; it will be closed on Saturday, New Year's Day. The Brookhaven Center Club will be closed Thursday and Friday, December 23 & 24, and Friday, December 31; on Sundays, December 26 and January 2, it will be open from 5 to 9 p.m. The vended food service in Bldgs. 912 and 179 will be available at all times and serviced regularly.

• **Gymnasium & Pool** — The gym and pool will be closed both Christmas and New Year's weekends: from Thursday, December 23, through Sunday, December 26; and again from Friday, December 31, through Sunday, January 2. The gym and pool will be open during the work week, and the usual schedule will resume Monday, January 3.

• **Recreation Building** — The Recreation Building in the apartment area will be closed from Monday, December 20, through Sunday, January 2. Regular hours will resume on Monday, January 3.

• **U.S. Post Office** — The Upton Branch of the U.S. Postal Service will operate at regular hours throughout the holiday period. After the Christmas mailing rush is over, starting with Christmas Day, the office will cease its temporary Saturday window hours. So, the last Saturday that the Upton Post Office will be open is tomorrow, December 18. Weekday window hours, 8 a.m. to 4:45 p.m., will continue as usual.

• **Weekly Calendar** — The deadline for submittals for the Weekly Calendar for the week of December 27 is noon on Monday, December 20; the deadline for the week of January 3 is noon on Monday, December 27.



mentation Division, was a principal developer. Here, Takacs prepares a mirror for LTP testing with Manfred Grindel of Continental Optical, which signed a Cooperative Research and Development Agreement (CRADA) with BNL in March to improve the performance and capabilities of the LTP. This was one of ten CRADAs the Lab signed in 1994.

2. In July, a Biology Department team that included Richard Setlow and Eleanor Grist (shown) published their results of experiments with fish, which show that the skin cancer known as malignant melanoma can be induced by all wavelengths of the sun's ultraviolet rays.

3. After the first two of 300 superconducting sextupole magnets for the Relativistic Heavy Ion Collider (RHIC) arrived at BNL on August 9, Roy Lebel (left) and Melvin Lindner, RHIC Project, were among those who inspected these first superconducting magnets produced by U.S. industry for use in an accelerator.

4. The Brookhaven Employees Recreation Association (BERA) had a busy year, welcoming a new Bridge Club in June and, throughout the year, crowning champs in various BERA sports, including basketball, in which the Runaways (pictured) repeated as champions in April.

5. Several new vehicles began operating on site this year, including this 150-ton lattice-boom crane delivered to the Plant Engineering Division in February, as well as 20 mini trucks, a 10-wheel refuse truck and a customized 16-ton pumper for the Fire/Rescue Group.

6. These students working in this Medical Department laboratory were among more than 300 students and teachers who participated in summer research at BNL this year.

7. Over the July 4th weekend, as proton intensities at BNL's Alternating Gradient Synchrotron (AGS) rose to record highs — topping  $2.36 \times 10^{13}$  — the intensity in the AGS Main Control Room was also high for: (from left) Keith Zeno, Bob Diem, Henry Ashby and Neville Williams.

8. For their 1964 discovery of the omega-minus particle, which validated the quark model of elementary particles, (from left) Ralph Shutt, Nicholas Samios and Robert Palmer shared the 1993 W.K.H. Panofsky Prize of the American Physical Society. Today, Samios is Laboratory Director, Palmer heads BNL's Center for Accelerator Physics — and Shutt will retire at the end of December as a senior physicist with the RHIC Project with 46 years of service, having joined the Lab in 1947 to lead cloud chamber and then bubble chamber efforts, first at the Cosmotron and then at the AGS.

9. A 2-mile Fitness Walk was just one of the many events held during HealthFest '93, a four-day celebration of health, fitness and safety, held in October.

