BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

# Lab Mourns Passing of Former Director George Vineyard

George H. Vineyard, Director of Brookhaven National Laboratory from January 1973 through December 1981, died of cancer on Saturday, February 21, at the University Hospital, Stony Brook. He was 66 years old.

**George H. Vineyard**

Vineyard's distinguished career centered on basic research in theoretical solid state physics. In addition, he held many administrative positions at the Laboratory, culminating in his appointment as the fourth Director. He resigned to return to full-time research, remaining active even during his illness.

Since leaving the Directorate, however, Vineyard was also occupied with several other important duties: Since 1985, working from his BNL office, he served as Chairman of the National Allocation Committee for the John Von Neumann Center of the Consortium for Scientific Computing at Princeton University. Since September 1983, he was Editor and Chairman of the Divisional Associate Editors of Physical Review Letters. Further, he was President-elect of the 37,000-member American Physical Society and would have assumed the Presidency in January 1988.

Under Vineyard's leadership, the Laboratory experienced expansion and a new emphasis. Basic research programs continued to expand, as the Laboratory secured contracts and broke ground for both the National Synchrotron Light Source and the Colliding Beam Accelerator, in September and October 1978, respectively. Also, in 1975, the Scanning Transmission Electron Microscope started up, and, in August 1977, PETT III began operations.

While Vineyard led BNL, the Alternating Gradient Synchrotron (AGS) continued in the forefront of high energy physics research: The 1974 discovery of the J particle by Samuel C.C. Ting, Massachusetts Institute of Technology (MIT), and his collaborators earned the Nobel Prize in physics in 1976. A second physics Nobel awarded during Vineyard's administration came in 1980 for the 1963 discovery of CP violation at the AGS by James Cronin and Val Fitch, then of Princeton University.

When Vineyard became Director, BNL was under contract to the Atomic Energy Commission, which gave way to the Energy Research Development Agency in January 1975 and then to the Department of Energy in October 1977. In conjuction with the deepening energy crisis of the 1970's, these changes made applied energy research a national priority. One of the most visible results of this remains the Brookhaven House, which was dedicated in September 1980.

During Vineyard's years as Director, the Laboratory also had to respond to emergencies ranging from national to local. In June 1979, BNL staff assisted in monitoring radioactive releases from the nuclear reactor accident at Three Mile Island, Pennsylvania. To deal with rising energy costs, the Lab began receiving electric power from the Power Authority of the State of New York in September 1981.

Some employees' fuel problems were relieved with the March 1979 initiation of the Transvan program. Employees experiencing personal difficulties found a source of help when the Employee Assistance Program got under way in May 1981. The ten-year reunion of BNL's Semester Student Program in 1978 was dedicated to both Vineyard and the previous Director, Maurice Goldhaber, "for their efforts in promoting innovative educational programs."

Born in St. Joseph, Missouri in 1920, George Hoagland Vineyard studied physics at MIT. After receiving his B.S. degree from that institution in 1941, he earned his Ph.D. there in 1943, with a thesis on the behavior of space charge in the cavity magnetron. From 1943 to 1946, he was on the staff of the MIT Radiation Laboratory, working on microwave electronics and radar.

**At a March 1980 ceremony, George Vineyard prepares to follow Thomas Stelson, Assistant Secretary for Conservation and Solar Energy, Department of Energy, in breaking ground for the Brookhaven House.**

In 1946, Vineyard joined the physics faculty of the University of Missouri-Columbia (UMC), becoming a Professor of Physics in 1952. His research interests were in the theory of liquids, the determination of structures of liquids and solids by scattering of various particles, and general solid state physics. He left UMC in 1954 to come to BNL, but he returned in May 1986 — to receive an honorary Doctor of Science degree.

Vineyard joined BNL as a Physicist, becoming Senior Physicist in 1960. From 1961 to 1966, he served as Chairman of the Physics Department. He became part of the Laboratory's Directorate in 1966, as Associate Director. His skills as an administrator were further recognized in 1967, when was appointed Deputy Director. He was named Director in 1973.

At BNL, Vineyard researched several areas, particularly, the use of neutrons to determine the structure of matter; the kinetics of order-disorder transitions; the theory of diffusion; the theory of magnetism; and radiation damage in solids. The latter topic was the subject of an advanced physics textbook he coauthored with BNL Physicist George J. Dienes (now retired), *Radiation Effects in Solids*, published in 1957.

Also in the late 1950's, Vineyard studied the damage radiation could produce in the periodic arrangement of atoms, ions or molecules forming a crystal. Along with BNL Physicists John Gibson and Allen Goland, and Martin Milgram of the Applied Math Department, Vineyard pioneered the use of high-speed computers in realistic studies of such problems. To provide a dramatic display of what was happening in the computations, the collaborators also generated a moving picture of their results, which is still viewed today.

From 1965 to 1975, Vineyard and BNL Physicists Martin Blume (now Deputy Director) and Richard Watson used computers and moving pictures to study the system of spins in a magnet. They were interested in what happens to a magnet's spin when it is heated and the spins misalign.

Over the years, Vineyard was involved in science far beyond his research, as a member of numerous advisory committees for the National Science Foundation, National Research Council, National Academy of Science, American Physical Society and several universities, as well as consultant to various laboratories and to industry.

He was a member of the President's Scientific and Educational Advisory Committee of the University of California and of the Science Policy Board, Stanford Synchrotron Radiation Project. For many years, he was also a member of the Materials Research Council of the Defense Advanced Research Projects Agency. He also served on the editorial boards of six physics journals.

In addition, he was involved in local activities, serving on the Board of Directors, Long Island Association of Commerce and Industry, and the Board of Directors of the Long Island Action Committee. In 1981, he was inducted into the Long Island Hall of Fame, an honor reserved for outstanding people who have brought recognition to Long Island.

Another honor came in 1975, when Vineyard received the Stony Brook Foundation Award for Distinguished Contributions to Higher Education. He was the recipient of an Sc.D. *Honoris Causi* from Long Island University in 1977. In 1982, he was a Visiting Scientist at the Institute for Theoretical Physicis in Santa Barbara, California, and from 1982 to 1983, a Visiting Scholar at Harvard University.

**In the experimental trailer where the Nobel prize-winning discovery of the J particle was made in 1974, George Vineyard (right) congratulated MIT's Samuel Ting (center), who led the experiment, and collaborators Sau Lan Wu (seated), MIT, and Y.Y. Lee, BNL.**

The author of numerous publications, Vineyard was a Fellow of the American Physical Society, the American Academy of Arts and Sciences, the American Association for the Advancement of Science and the Polytechnic Institute of New York. He was a member of Sigma Xi.

George Vineyard is survived by his wife, Phyllis, of Bellport; a son, John H., of Ithaca, New York; a daughter, Missy, of Northampton, Massachusetts; two brothers, Benjamin, of St. Joseph, Missouri, and Barkley, of Sanibel, Florida; and four grandchildren.

The University of Missouri-Columbia is creating a named Chair of Theoretical Physics in honor and memory of George H. Vineyard. In lieu of flowers, contributions may be made to the Department of Physics and Astronomy, University of Missouri, Columbia, M0 65211. A memorial concert will be held in Berkner Hall on Sunday, March 15, at 4:30 p.m.

## Remembering George Vineyard

George Vineyard was a vital force in maintaining and enhancing BNL's eminence as an outstanding national and international research institution. This he did via his original and productive acitivities as a research physicist and his unique leadership abilities in his many administrative roles at BNL. This Laboratory will miss his advice and counsel.

— **Nicholas Samios**
BNL Director

George Vineyard will be mourned by a large community of scientists who appreciated his deep insight into complicated phenomena. Anyone who knew him well knows that he truly fitted the epithet "a gentleman and a scholar." He was a trusted friend who will be sorely missed.

— **Maurice Goldhaber**
BNL's Third Director

Throughout his professional life, George Vineyard was recognized as a man of deep personal integrity and inner strength. Although he dealt with issues with a no-nonsense "I'm from Missouri" approach, his character was blessed with an irrepressible sense of humor that erupted even in the most trying times in a fitting story or anecdote.

He was a scientist of the first rank and loved his work, but his natural sense of leadership led him increasingly to take on broader responsibilities. His distinguished performance as Director of Brookhaven for a decade capped more than thirty years of service to the Laboratory. At the same time, he was a major participant in national scientific affairs, as can be seen in his recent election to the Presidency of the American Physical Society.

George Vineyard has earned a permanent place in the history of Brookhaven National Laboratory. The Board of Trustees and the entire AUI family are saddened by his loss. — **Robert Hughes**, President
Associated Universities Inc.

## At DOE Brookhaven Area Office —

# Schweller Retires; Bellows Named New Head

David Schweller, who has headed the Department of Energy's (DOE) Brookhaven Area Office (BHO) since January 1977, will retire at the end of this month. Coming to BNL to assume that post is Jerry Bellows, who now heads the area office for DOE's Solar Energy Research Institute (SERI) in Golden, Colorado.

Schweller has been a member of the Lab community for 24 years, having joined the Operations Division of the BHO in February 1963 as a Reactor Safety Engineer. BHO was then part of the Atomic Energy Commission, which was replaced by the Energy Research and Development Administration (ERDA) in January 1975.

Mort Rosen

David Schweller

Shortly after Schweller became Head of the BHO in October 1977, ERDA was replaced by the DOE. Though the governing agency has changed over time, the BHO's mission in relation to BNL has remained essentially the same: to oversee the operation of the Laboratory.

During his years with the BHO, Schweller held a number of positions, including Assistant Director for Reactor Safety & Safeguards and Chief of the Operational Safety Branch. In 1973, he was appointed Chief of the Operations, Engineering and Safety Branch.

Schweller's path to the BHO began at New York University, where he received his B.S. in engineering physics in 1954. After beginning his career as a physicist with the Patterson-Moos Division of Universal Winding Corporation, he took subsequent positions as an engineer with Sperry Rand Corporation and then as a reactor physicist, first with Combustion Engineering Company, then with Martin-Marietta Corporation.

Having worked both as a scientist and as one who helps pave the way for science, Schweller reflected, "I was a bench scientist, and I know what it's like to be creative in that sense. The fact is, it's just as satisfying to see things come to fruition with bricks and mortar. I've been able to be creative in both ways.

"The Lab has been a big part of my life," he continued. "I have enjoyed wonderful working relations with people here and making my contribution to the success of this great laboratory. And I will miss it."

Though Schweller will leave the BHO, he plans to continue to make his home in Plainview and to work with DOE, doing consultant work in health and safety programs, his original field.

The new BHO head, Jerry Bellows, joined ERDA in January 1976, as a Contract Specialist based in Washington, D.C. In 1977, he became DOE's Special Assistant to the Director of Nuclear Energy Programs.

In 1978, Bellows transferred to the Operations Office at Albuquerque, New Mexico. There he was Chief of the Project Control Branch for the Waste Isolation Pilot Plant Project until 1980, when he became Director of the Project/Program Management & Control Division.

In 1983, Bellows became Deputy Area Manager for the Rocky Flats Area Office in Golden, Colorado, then Acting Area Manager in February 1985. In November 1985, he was named SERI's Area Manager.

Prior to joining ERDA, Bellows had served as an inventory management specialist with the U.S. Air Force from 1966 to 1968. He worked for the U.S. Navy from 1968 to 1976 as a production specialist, a contract administrator and a program analyst.

Jerry Bellows

Bellows received his B.A. from Baylor University in 1961 and an M.B.A. from North Texas State University in 1978. At present, he is a candidate for a Ph.D. in Public Administration from the University of Colorado at Denver.

# Dietz and Godel Honored During Engineers Week

Two BNL engineers are among those being honored today at a luncheon in Jericho celebrating National Engineers Week and hosted by the Engineers Week Joint Committee (EWJC), a collective effort of 15 engineering societies in the metropolitan area.

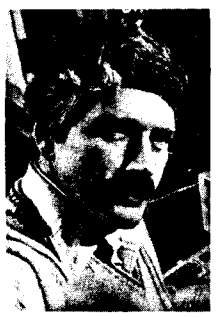
Chemical Engineer Russell Dietz, Head of the Tracer Technology Center (TTC) in the Department of Applied Science, and Senior Engineer Jules Godel, Associate Chairman of the National Synchrotron Light Source Department (NSLS), are receiving plaques reflecting the week's theme — "Engineers: Turning Ideas Into Reality."

Several times in his 35 years at BNL, Jules Godel has helped turn the idea for a major scientific facility into a reality, most recently at the NSLS. When the Lab began building the NSLS in the late 1970's, Godel was the Assistant Project Head responsible for several important aspects of its engineering design and construction. Currently, he is Project Head for the NSLS's Phase II expansion project.

Earlier, Godel had been involved with two important reactor projects, working on the engineering design and contruction of the High Flux Beam Reactor, in the 1960's, and supervising the design engineering and contruction of the Medical Research Reactor, in the late 1950's. In the mid-1950's, he had worked on the Electron Analog, an accelerator that tested the strong focusing principle before it was used in the Alternating Gradient Synchrotron.

The idea that Russell Dietz has turned into reality was to develop ultrasensitive perfluorocarbon tracer gases, which are used to tag substances and trace them at levels lower than parts per quadrillion. To further the applications of the technologies Dietz pioneered, the TTC was established in 1985.

The tracer technology most widely used today, primarily by the home building industry, is a technique for measuring air infiltration in buildings. Tracer techniques are now being used or developed for use by utilities for detecting and locating leaks in such things as high voltage cables, boilers and condensor tubes, by government agencies for analyzing oceanic and atomospheric transport of pollutants and for detecting hidden explosives, and by the oil and gas industry for leak detection and location in storage tanks and pipelines and for oil exploration.



Russell Dietz

Jules Godel

# In Memoriam

**Henry F. Peters**, a Senior Designer in the Reactor Division, died on February 10, at the age of 53. He had been at BNL for 30 years, since March 1956. He was a resident of Brookhaven and is survived by a daughter, Susan, and a son, Henry, both of Brookhaven; his mother, Josephine Peters, of Blue Point; two sisters, Barbara Dollop of Blue Point and Grace Richardson of Pennsylvania; and two brothers, Fred, of Blue Point, and Philip, of California.

•

**Bernard Rifkin**, a Project Engineer in the Plant Engineering Division, died on February 24 following a long illness. He was 68 years old. He had been at the Lab since December 1976 and was a resident of East Meadow. He is survived by his wife Jeanne, his son Joel and his daughter Jan.

A memorial service will be held today, from 2:30 to 3 p.m., at the Park Side Chapel, 175 Long Beach Road, Rockville Centre. In lieu of flowers, donations may be made to the East Meadow Public Library.

# *BNL's Fabulous Forty*

*This is the fourth in a series of interviews with employees who will observe their 40th service anniversaries during 1987, BNL's 40th anniversary year.*

On Saint Patrick's Day in 1943, an eighteen-year-old Patchogue man named Kenneth Swezey and nicknamed "Whistle" first came to Camp Upton as a draftee in World War II. Three years later, the war over, Swezey returned to Camp Upton as a civilian employee.

Over the next year, Swezey saw the Army make way for the Manhattan District, which preceded the Atomic Energy Commission, which was followed by a new scientific enterprise called the Brookhaven National Laboratory. Swezey decided to cast his lot with the new Lab and signed on with life number 427.

Mort Rosen

Kenneth "Whistle" Swezey

Today, Swezey, a Storeskeeper in the Supply and Materiel Division (SMD), can be found in the electrical and plumbing warehouse, Bldg. 91. That's one of the same buildings he worked in during his Camp Upton days, when he was also involved in supply and materiel, and the first one he was assigned to as a BNL employee.

Though Swezey has spent his 40 Lab years entirely in SMD, he has moved around. Leaving Bldg. 91, he spent some time as a truck driver. After that, he worked in the bulk warehouse, Bldg. 100, for several years, before it was moved from near Contracts & Procurement, Bldg. 359, to behind Bldg. 86. He was later assigned to Bldg. 89, before returning to Bldg. 91 eleven years ago.

Due to the nature of his work, Swezey "has not been too involved in science," but he has monitored the Lab's scientific efforts through the Bulletin and observes, "The Light Source seems to be the thing today." He's also seen technology come through the doors of Bldg. 91, in the form of computers.

"That's the most important change I've seen here," he says. "We started out doing everything by hand. Then we switched to punch cards. But the computers we got about three years ago have really cut down the paperwork. It's 100 percent better."

Another big change over the years for Swezey has been his ride to work. Originally, Swezey took a bus to Camp Upton from the Patchogue railroad station — for 20 cents a trip. But in a short time, the passengers dwindled, until Swezey says, "I was the last one to ride the bus." For many years, he carpooled, "but there was no Sunrise Highway or Long Island Expressway then," he reminds us, so the ride took somewhat longer than it does today.

Swezey may not make the ride too much longer, as he is anticipating his retirement within the next year or so. After more than 40 years on site, he knows, "I'm going to miss the place, but mostly, I'll miss the people."

# Addled Addresses

- Envir Brookhaven Nati
- Chamber of Commerce
  Upton, N.Y.
- Brookhaven national laboratory
  Empton, N.Y. 11973
- Public Relations
  or Current Resident
  Bldg 134 Brookhvn Ntl Lb

# Selected for a Semester of Science

"There's such a variety of work going on here."

"We've met so many friendly people."

"It's a great experience."

These are some of the comments made by the nine students now one month deep into the 37th Semester Student Program at BNL.

Started in 1968 by the Office of Scientific Personnel (OSP) and administered by the Affirmative Action Office (AAO), the program helps students from predominantly black colleges explore a career in science. Participants are usually selected in spring and fall from 22 member colleges and universities of the Regional Cooperative Association in Science and Mathematics.

Once at BNL, each student is assigned an advisor who volunteers to oversee the student's work in a particular field or project. Students also attend courses given by scientific staff in such subjects as biochemistry, human genetics and differential equations.

The variety of work at the Lab allows a student to join a group in an area connected with the student's own special interest. Delton Cox from Grambling State University, Mississippi, hopes to specialize in surface chemistry, and he is working on bonding of materials, with Gwyn Williams of the National Synchrotron Light Source as his advisor.

Sylvia Bartee, a biology major at Alcorn State University, Mississippi, finds her work in the Medical Department with Raymond Tice's group extremely interesting. Says Bartee, "We are studying the genotoxic damage that different chemicals can cause. It's good to have the opportunity to understand what pure research is like before I make my final decision on becoming a pediatrician."

Mort Rosen

**Participating in the 1987 Semester Student Program at BNL are (top, from left) Randall Reed, Grambling State University (GSU); Sylvia Bartee, Alcorn State University (ASU); Robert Norval, ASU; Donald Walker, Hampton University (HU); Dwight Colemen, Tougaloo College; (bottom, from left) Deirdre Burton, HU; Danny Barnes, HU; Chauntina Mays, Jackson State University; and Delton Cox, GSU.**

Other students may find opportunities to work in areas that are relatively new to them. Randall Reed, who is majoring in chemistry at Grambling State, has been assigned to Claudio Pescatore of the Department of Nuclear Energy. There, Reed is mainly concerned with chemical modeling of the oxidation of uranium dioxide, the base material for nuclear reactor fuel. "Randy's intelligence and capacity for sustained effort," Pescatore says, "make it very worthwhile to work with him."

On the less academic side, the students' ingenuity and cooperative spirit is being highly developed by the transportation situation. "Nine people and one car can be quite a problem sometimes!" laughs Chauntina Mays from Jackson State, Mississippi. "But it's been working fine."

Under the auspices of administrators like Donald Metz, OSP, and Renee Flack, AAO, the Semester Student Program has been working fine for nineteen years. Says Flack, "The numbers of students who apply and the successful careers of earlier participants are an encouraging indication of the program's continuing usefulness." — Liz Seubert

## Service Awards

The following employees received service awards during the month of February:

**Forty Years**

**Karl H. Walther** ..... Chemistry

**Thirty Years**

**Gordon T. Danby** ..... AGS
**Harvey J. Lotko** ..... Accel. Dev.
**Ralph G. Perry** ..... Instrum.
**Meyer Steinberg** ..... App. Science

**Twenty-five Years**

**Dean Campbell** ..... Accel. Dev.
**Eena-Mai Franz** ..... Nuc. Energy
**Edward T. Grahn** ..... AGS
**Austin R. Gwilt** ..... Accel. Dev.
**James J. Hurst** ..... App. Science
**Vincent Polywoda** ..... S&EP
**Gen Shirane** ..... Physics

**Twenty Years**

**Robert L. Marascia** ..... AGS
**Arnold M. Peskin** ..... App. Math
**Carl E. Schwarz** ..... Nuc. Energy

**Ten Years**

**Kevin W. Barnes** ..... Plant Eng.
**Juanita C. Beatty** ..... Staff Serv.
**John W. Cochrane** ..... Plant Eng.
**Marie A. Grahn** ..... Physics
**Bernard C. Jasper** ..... Plant Eng.
**Patricia A. Jencius** ..... Sup. & Mat'l
**William J. Leonhardt** ..... Accel. Dev.
**Robert R. Mele** ..... Plant Eng.
**Anant R. Moorthy** ..... S&EP
**Thomas R. Muller** ..... Accel. Dev.
**Kathy J. Norden** ..... App. Science
**Laura D. Sbarra** ..... Occ. Med. Clinic
**Tony Scheschowitz** ..... Plant Eng.
**George Schidlovsky** .... App. Science
**Robert C. Stauber** ..... Plant Eng.
**Francis T. Stepnoski** ..... S&EP
**Virginia M. Stewart** ..... Physics
**Richard A. Thomas** ..... Accel. Dev.
**Jagdish K. Tuli** ..... Nuc. Energy
**Rebecca C. Williams** ..... Budget
**Creighton D. Wirick** .... App. Science

BROOKHAVEN BULLETIN

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## Pick a Student

Completed applications for the 1987 Summer Student Program will be available for review in Room 5-31, Bldg. 490, Medical, from February 23 through March 6.

Guidelines regarding the selection of summer students have been distributed to research department offices. If interested, please contact your department coordinator. Staff members are invited to review applications to select students who will work under their supervision from June 1 through August 7.

## GTE Needs Secretary

A position is available as secretary to the General Telephone and Electronics (GTE) Service Manager on site. Duties include typing, light bookkeeping and answering phones. GTE is an Equal Opportunity Employer. Please call Ext. 5350 for further information.

## Public Sale of Motor Vehicles

In March, sixty vehicles, parked by Warehouse T-87, will be available for Public Sale. Inspection will be permitted Monday through Friday, March 9-13, from 9 a.m. to 4 p.m. Bid opening is March 18.

This will be an informal competitive bidding. Bid forms may be obtained at Building T-87. For further information, call Ext. 2302.

## In Stormy Weather

The following radio stations have agreed to carry announcements regarding emergency closings and delayed openings at BNL:

| Station | Area | AM | FM |
|---|---|---|---|
| WALK | Patchogue | 1370 | 97.5 |
| WBAB | Babylon | 1440 | 102.3 |
| WBLI | Patchogue | | 106.1 |
| WCTO/ WGSM | Smithtown | 74 | 94.3 |
| WHLI | Hempstead | 1100 | 98.3 |
| WLIM | Patchogue | 1580 | |
| WLIX | Islip | 540 | |
| WLNG | Sag Harbor | 1600 | 92.1 |
| WRCN | Riverhead | 1570 | 103.9 |
| WRIV | Riverhead | 1390 | |
| WSBH | Southampton | | 95.3 |

## Hospitality News

Maria Romeo, a freelance artist in fine arts and graphics, will be the guest speaker at the next Hospitality Committee get-together on Tuesday, March 3, at 9:30 a.m. in the Brookhaven Center. Spouses of Laboratory employees and guests are welcome. Coffee, tea and danish will be served.

The topic of Romeo's discussion and demonstration will be silkscreening. If you would like to participate in the program, bring a white T-shirt to the get-together. Romeo will provide the other materials necessary to decorate the shirt.

Please come and enjoy the morning with us. Bring the children; babysitting will be provided free of charge.

## Winner's Circle

Two employees recently received awards through the Employee Suggestion System.

**George Grigg Jr.,** a Staff Specialist in the Department of Nuclear Energy, was awarded $100 for suggesting that storage cabinets should be placed on pallets to allow them to be moved more easily. Funds should thus be saved by reducing the time needed to move storage cabinets.

**Ernest Jochen,** a Senior Standards Inspector with Central Shops, received a $25 award for his suggestion that Defensive Driving Instruction be given on site. The first of these classes, which encourage safe driving habits and improve general safety, was held on November 15, 1986.

# BERA News

## Aviation Club

Monday's snowstorm forced the cancellation of a preliminary meeting for those interested in attending a ground school for the private pilot rating. The meeting has been rescheduled for Monday, March 2, at noon in the Berkner Hall lobby.

Larry Leipuner and Doug Sweely will conduct the ground school. The classes will be held at BNL for three hours a week for 15 weeks. There is no fee; however, participants will be required to purchase a text and supplies. Please call Doug Sweely, Ext. 4237, to register.

## Social Club

The Social Club invites you to celebrate St. Patrick's Day early at Kelly's Irish Alps, on a ski trip to Brodie Mountain, March 13-15. The trip will cost $134 per person with four people per room, $141 for three per room or $151 for two per room. The price includes lodging at a Ramada Inn, welcome party upon arrival, four full-course meals and a free two-hour ski lesson for beginners or a one-hour lesson for advanced skiers. Contest and entertainment will be offered at the mountain. For information, call Doris Terry, Ext. 2228.

## Bowling

**Red/Green League**

High games were bowled by C. Bohnenblusch 238/204/603 scratch, J. Ferrante 219, T. Prach 214, W. Rasmussen 212, L. Jacobson 212, E. Carter 211, K. Asselta 207/202, D. Jesaitis 205, R. Jones 201, R. Jansson 200.

**Purple League**

Clem August rolled a 221, John Connelly 227, Paul Callegari 233, Pat Oster 181, Mary Addessi 182.

**Reminder**

Applications for the Scotch Doubles Bowling Tournament on Sunday, March 15, are available at the BERA Sales Office or by calling Maria Apelskog, Ext. 3138.

## Swim Club

Improve your racing starts and turns at the next Swim Club clinic on Thursday, March 5, at 5:15 p.m. at the BNL pool. All are invited; for further information, call Marsha Belford, Ext. 5053, or Peter Heotis, Ext. 2304.

**All film badges will be changed tomorrow. Please place your badge in its assigned rack space before leaving work today.**

# Arrivals & Departures

### Arrivals

**Donna M. Cyr** ..... Biology
**George J. Gottschalk** ..... MIS
**Kimo M. Welch** ..... AGS

### Departures

This list includes all employees who have terminated from the Laboratory, including retirees:
**Monique T. Toler** ..... AUI

# Basketball

### Game 1

| Hollywood | 71 | Celtics | 48 |
|---|---|---|---|
| E. Meier Jr. | 28 | P. Browne | 16 |
| R. Domenech | 13 | T. Mendez | 8 |
| B. Gunther | 12 | R. Garapolo | 6 |
| D. Nordstrum | 12 | P. Ratzke | 6 |
| L. Lawrence | 4 | T. Frank | 4 |
| G. Smith | 2 | J. Gaeta | 4 |
| | | N. Schaknowski | 4 |

### Game 2

| Runaways | 64 | Longshots | 62 |
|---|---|---|---|
| T. James | 17 | W. Cummings | 22 |
| R. Moran | 12 | J. Cyr | 11 |
| J. Desmond | 11 | F. Molone | 8 |
| S. Gilbert | 11 | L. Walcott | 6 |
| M. Annerella | 9 | L. James | 5 |
| A. Stillman | 4 | J. Garrison | 4 |
| | | R. Seymore | 4 |
| | | R. Rowley | 4 |

### Standings

| | Won | Lost |
|---|---|---|
| Hollywood | 3 | 1 |
| Longshots | 2 | 2 |
| Runaways | 2 | 2 |
| Celtics | 0 | 4 |

# Cafeteria Menu

## Week of March 2

**Monday, March 2**

| | | |
|---|---|---|
| Chicken noodle soup | (cup) | .75 |
| | (bowl) | .95 |
| Herbed linguini w/garlic bread | | 2.65 |
| Chicken chimichangas w/1 veg. | | 2.75 |
| Hot vegetable plate (lite-weight) | | 2.20 |
| Hot Deli: Ham garden club | | 2.65 |

**Tuesday, March 3**

| | | |
|---|---|---|
| Southern beef vegetable soup | (cup) | .75 |
| | (bowl) | .95 |
| Deluxe pizza | | 1.00/slice |
| Stuffed peppers w/1 veg. | | 2.65 |
| Chicken salad Oriental (lite-weight) | | 2.25 |
| Hot Deli: Roast beef | (bread) | 2.45 |
| | (roll) | 2.60 |
| | (hero) | 2.65 |

**Wednesday, March 4**

| | | |
|---|---|---|
| Cream of chunky vegetable soup | (cup) | .75 |
| | (bowl) | .95 |
| All-you-can-eat special (no take-outs): | | |
| Spaghetti w/clam sauce & French bread | | 3.25 |
| Ham steak w/1 veg. | | 2.65 |
| Seafood taco salad plate (lite-weight) | | 2.45 |
| Hot Deli: Fresh ham | (bread) | 2.45 |
| | (roll) | 2.60 |
| | (hero) | 2.65 |

**Thursday, March 5**

| | | |
|---|---|---|
| Beef barley soup | (cup) | .75 |
| | (bowl) | .95 |
| Turkey & vegetable stir-fry | | 2.75 |
| Meat loaf & mushroom gravy w/1 veg. | | 2.75 |
| Hot Deli: Polish sausage melt | | 2.65 |

**Friday, March 6**

| | | |
|---|---|---|
| Manhattan clam chowder | (cup) | .75 |
| | (bowl) | .95 |
| Broiled fish w/1 veg. (lite-weight) | | 2.95 |
| Lemon marinated chicken breast w/1 veg. (lite-weight) | | 2.85 |
| Hot Deli: Fried clam boat | | 2.65 |

# 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.

**THE VACANCIES LISTED BELOW HAVE BEEN EXEMPTED BY THE DIRECTOR'S OFFICE FROM THE CURRENT FREEZE ON OPEN REQUISITIONS.**

**LABORATORY RECRUITMENT** — Opportunities for Laboratory employees only.

2558. SECRETARIAL POSITION - Requires AAS degree or equivalent, excellent secretarial and communication skills, and a comprehensive knowledge of BNL practices and policies to provide secretarial support to the Office of the Associate Director for Administration. Experience with calculator use for basic mathematics is required. Responsibilities include the preparation of reports and correspondence on Micom word processor, travel and meeting arrangements, mail distribution, maintenance of files, etc. Director's Office.

**OPEN RECRUITMENT** — Opportunities for Laboratory employees and outside applicants.

2559. SCIENTIFIC ASSOCIATE POSITION - Requires BS in a safety related discipline with training and experience in health physics, industrial hygiene, or safety engineering. Knowledge in all three areas is desirable. Will lead and supervise a building safety service team to support DAS/DNE general safety program. Responsible for program audit and oversight, radiation exposure control practice, radiation monitoring, industrial hygiene monitoring and safety. Safety and Environmental Protection Division.

2560. X-RAY TECHNICIAN (part-time) - Requires a valid New York State license as an X-ray technician. Will be called on intermittently to provide coverage for X-ray service. Medical Department.

2561. TECHNICAL POSITION - Requires an AAS in electronic technology or equivalent and experience with the fabrication and testing of integrated and discrete semiconductor circuits. Will work from electronic schematics, verbal instructions, and rough sketches. Light mechanical skills, CAD, and/or other design skills desirable. Physics Department.

## Autos & Auto Supplies

78 COUGAR XR-7 - excel. cond., blue, am/fm cass., a/c, new tires, $2,300. Bert, Ext. 2050.

PARTS - Duster and Demon., cheap, engine, doors, windshield, etc. 727-3608.

85 BUICK LeSABRE - low mi., fully loaded, mint, $11,500. Ray, 289-0883.

SNOW TIRES - (2), less than 500 mi., mounted 5-hole rims, E78 14. $50. 744-3736.

78 TOYOTA - 100k mi., new battery, good trans., $900. neg. Tom, Ext. 5350.

78 DODGE OMNI - 4 dr., p/s, p/b, asking $550. Steve, 653-8703.

81 MONTE CARLO - a/c, p/s. 289-0967 after 6 p.m.

84 PONTIAC FIERO SE - red, low mi., a/t, a/c, p/w, am/fm cass., sunroof, tilt wheel, $7,000. 288-6375.

MICHELIN TIRES - (4), w/w, steel belted, P205-75R15, almost new, $150. 281-2186.

67 CHRYSLER CONVERTIBLE - 383 V8, a/t, p/s, p/b, p/w, new top. Tony, 698-9274.

HONDA 125 ATC - excel. cond., asking $475. Dave, Ext. 4417 or 929-3620 eves.

75 MERCURY MARQUIS - yellow, 4 dr., good cond., $700. 473-7862 after 6 p.m.

79 MONZA - V6, 4 spd., 2 dr., htchbk., high mi., runs well, asking $1,000. Toru, Ext. 3148.

74 BRAVO POP-UP - sleeps 8, sink, 3-burner stove, 3-way refrig., gas heater, 2 gas tanks, tandem axle, porta-potty, $1,600. 924-0539.

82 DATSUN 210 - 2 dr., tan, bucket seats, am/fm, mint cond., $2,500. Gary, 928-7359.

TIRES - (2), Goodyear Viva II, 13" radial, $5./ea; Ford, (4), factory mags, 15", w/2 general steel belted radials, $100. Tim, 281-0670.

86 NISSAN PICKUP - 4 dr., brown, tool chest, sunroof, bucket seats, am/fm, mint. Kevin, 331-4572.

77 CHEVY CAMARO - blue, 8 cyl., a/t, a/c, am/fm cass., excel. tires, new paint, $2,500. Melanie, Ext. 2456.

84 CAMARO - blue, V8, a/t, p/s, p/b, a/c, tilt, am/fm, louvers, 43k mi., $6,500. Frank, 585-9124 after 7 p.m.

75 HONDA CB550F - 4 cyl., garaged, runs well, $300. Walt, Ext. 4028.

81 LINCOLN MARK V - low mi., very clean, loaded, w/many extras, asking $8,000. neg. 758-6950 eves.

64 FORD FAIRLANE 500 - 289-factory, 4-on-floor, needs some body work, runs well, $1,800. Eileen, Ext. 4194 or 924-4922.

76 OLDS CUTLASS - V8, a/c, new a/t, p/b, p/s, good tires, am/fm, runs well, $950. Ext. 4332 or 286-2114.

78 TOYOTA CORROLA - a/c, am/fm, runs well, very reliable, must sell, $1,500. neg. Ext. 3701.

87 SUZUKI SAMURAI - 4 wd, must sacrifice, a/c, am/fm, options, 3.2k mi., mint cond., $8,300. 744-8239.

75 CAMARO - rebuilt 6 cyl. eng., 4 tires, raised lettering, wire wheels, stereo. Ext. 2529.

81 HARLEY DAVIDSON - FLHT-C, clean, many extras, $5,000. Bob, 2309 or 473-9180.

69 PLYMOUTH 318 - std., $100; parts for 75 Olds Starfire, V6, cheap. Bill, 698-4882 after 6 p.m.

71 CHEVY MALIBU - 2 dr., 307, a/t, p/s, orig. owner, $550. Gordon, Ext. 3216.

81 CHEVY - 4 dr., 4 cyl., am/fm, a/c, $1,000; 82 Dodge Aries Wagon, 4 cyl., am/fm, c/b, a/c, trailer hitch, $3,500. 654-1146 after 5 p.m.

80 DATSUN 510 - htchbk., good engine, body rust, a/t, $900. 928-8522.

76 DATSUN B210 - 28 mpg, good trans., many new parts, good tires, $475. 475-1608 after 5 p.m.

79 BUICK ELECTRA LTD - V8, p/s, p/b, a/c, am/fm, good cond. 325-0447 after 6 p.m.

AIR FILTER - Sears, #2845263, $1. Joe, Ext. 4212.

86 GMC PICKUP - loaded, 13k mi., high rise cap, running boards, must sell, $12,500. Bert, Ext. 2050 or 273-4359.

81 BUICK ELECTRA - low mi., excel. cond. Frank, 736-3885.

83 NISSAN PULSAR NX - turbo, 53k mi., excel. in/out, $5,500. 924-6651.

70 VW BEATTLE - completely restored, must see, $2,200; 79 Subaru Brat, 4 wd, new exhaust, tune-up, excel., $1,200. Jeanne, Ext. 7742.

TIRES - 195X14, s/b, b/w radials, very good cond., 4 for $64. Larry, Ext. 4821 or 727-1412.

75 DODGE DART - 4 dr., a/t, p/s, am/fm tape, excel. in/out, 84k mi., $875. 862-7821.

75 FORD GRANADA - 2 dr., good for parts, $450. Gene, Ext. 3080.

## Boats & Marine Supplies

34' MAINSHIP - 1981 diesel trawler, outboard, generator, auto pilot, low hours, many extras, asking $64,000. neg. 758-6950, eves.

22' SEARAY - 1977, cuddy, 198 Merc I/O, VHF, CB, dual batteries, trim tabs, depth finder, full galley, more, excel. cond., $7,000. firm. 286-1358.

28' OWENS - 1963, wood, tight hull, eng. needs work, forced to sell, $500. Bert, Ext. 2050.

27' CATALINA - 1976/77, great cond., atomic 4, 3 sails, stereo, radio, compass, storage. Bob, Ext. 2144.

16.5' WELLCRAFT AIR SLOT - VEE 1983, 140 hp Evinrude, full canvas, excel. cond., $3,800. Don, Ext. 4661 or 654-2106 after 6 p.m.

## Miscellaneous

CERAMIC EARINGS - hand-made, hypo-allergenic, orig. designs, $8-10. Gene, Ext. 3080.

FIREHOSES - (2), 50', clean cond., only used to pump out water, $25. ea. 727-5455.

SPEAKERS - Magnepan Timpani I-D, 5 yrs. old., perfect cond., cost $3,800, sell for $1,000. 369-0236 eves.

HOCKEY SKATES - size 8, good cond., $10. Ext. 4475.

CARPET - gold sculpted, 12x18, and 12x11, good cond., make offer. Karen, Ext. 4264.

CORONA KEROSENE HEATER - 22DK, hi-riser; Admiral refrigerator, side-by-side, 22 cu. ft., best offer. Ext. 7655 or 584-7206.

WESTINGHOUSE FREEZER - 13.4 cu. ft., upright, 5 yrs. old., very good cond., $200. Ext. 2414.

CASSETTE/RADIO - portable, must sell, $10. Jim, Ext. 2432.

HI-RISER - $30; sofa bed, $30; ski boots, $5; skis, $5; frames, $2; glass shower door. $2; photo magazines, ¢5. 475-1254.

POKER TABLE - felt top, seats 8, needs legs, $50; headboards, (2), twin size, maple, $20. Tony, Ext. 2050.

STEAM VAPORIZER - never used. Ady, Ext. 4531 or 331-3785.

DANISH MODERN LOUNGE - needs new cover, $40; marble table lamp, $55. Jerry, Ext. 2907 or 758-7365.

FISHER TURNTABLE - new, with (2) new speakers, make offer. 928-5297 after 6 p.m.

SMART TERMINAL - w/high speed Qume Daisy-wheel printer, 60CPS AJ801-A, $450. neg. Cadwell, Ext. 2934 or 744-2816.

MICROPHONE - Bessler, like new, w/cord, $50. Joe, Ext. 4661.

30" WHOLE HOUSE FAN - & shutter system, Sears, never used, make offer. Om, Ext. 5332.

COLOR TV - 13", Zenith, excel cond., $75; sewing machine, Brother, $7. Toru, Ext. 3230.

BRIDESMAIDS' GOWNS - only worn once, (2) pink, (1) rose, best offer. Colleen, 473-7793.

SONY STEREO SYSTEM - HP-250, am/fm, w/external speakers, new needle, $70. Tony, Ext. 2050.

ROLLER SKATES - white, children's size 12, $3. Jim, Ext. 2432.

FRIGIDAIRE WASHING MACHINE - large capacity, late model, needs minor work, $100. 286-0466.

YORK RECEIVER - needs some work, (2) good speakers, make offer. 928-5297 after 6 p.m.

LUGGAGE - baby carriage, housewares, space heater, skateboard, some items brand-new, all cheap. S. Spark, Ext. 4111.

12" TV - B&W, excel. cond., port., $40. Ext. 3701.

KITCHEN-AID DISHWASHER - old stainless steel door, runs, $25; sump pump, new $80. Ext. 2529.

GE REFRIGERATOR/FREEZER - 18 cu. ft., frost-free, ice cube maker, avocado, excel. $180. Ext. 2529.

STOVE/OVEN - 4 burner, gas, 24"w, $35; GTE rotary desk phone, beige, never used, $15. 924-7476.

TRUNDLE BED - dresser, 6 drawers, mirror, $250; bunk beds, custom-made, all wood, L-shaped, attached dresser, mirror, $300. Joan, 475-8252.

WOOD BURNING STOVE - variable speed blowers, heavy-duty cast iron, 1 yr. old. 981-8108.

FOLD-A-WAY EXERBIKE - model RXB-12, used very little, $50. Joe, Ext. 4212.

WASHING MACHINE - $50; gas dryer, $25. Ext. 5400 or 874-3447.

BMX RACING BIKE - Raleigh, Chromoly frame, extra parts, asking $90. 744-2913.

DRILL PRESS - Powermatic Houdaille, floor model, 5 spd. ¾ hp, new, $300. other machines & tools. 878-6637.

CORNER CHINA CABINET - white, w/2 glass doors, $60; AT&T modular rotary wall phone, beige, $15. 924-2726.

DINING ROOM - circa 1920, NY Chippendale; table, (6) chairs, china closet, buffet. 751-2149 aftr 6 p.m.

TREADMILL - Consumers #940-098, cost $139.86, still in box, $50. 281-2186.

CHINA CLOSET - 1925, $50; pole lamp w/2 lights, $25; wood cabinet w/3 shelves, $8; 30x40 table, (3) chairs, $10. 744-3792.

LAWN MOWER - sit-on, elec. start, needs some minor work, $200; ¾ hp deep-well jet pump, & glass lined water tank, $100. for both. 924-6751.

KEROSENE HEATER - Radiant King, cost $150., new, used twice, $65. 698-0654.

## Car Pools

BETHPAGE - driver needed. Lou, Ext. 4615.

SPEONK/WESTHAMPTON BEACH/EASTPORT - want to join car pool. Dave, Ext. 7921.

STONY BROOK - van pool needs two riders. Sid, Ext. 4125 or Paul, Ext. 2476.

OAKDALE/BOHEMIA - would like to form car pool. Frank, Ext. 2314.

## Free

GE ELECTRIC DRYER - model DDE 5300, needs some work. Susan, 924-5854 after 4 p.m.

PET DUCKS - (6), mixed colors & breeds, w/house & food. 924-1151.

FIRE WOOD - you cut, seasoned logs. Pete, Ext. 7627 or 929-3847.

CALICO KITTEN - 6 months old, very affectionate, clean, litter trained, was abandoned, will neuter, needs home. 924-5192.

1968 TV - am/fm stereo record player, Magnavox, 6 ft. long cabinet, needs work, you pick up. 924-3522.

## 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 Rent

HILTON HEAD, SC - two bdrm. condo, sleeps six, beach, tennis & golf, many extras, $300/wk. before Aril, $400/wk. after April. 585-9149.

MORICHES - room in shared waterfront house, March 1, non-smoker prefered, not essential, $315/mo. + util. 874-3729 eves.

CATSKILLS - 3 bdrm. chalet, sleeping loft, fully furn., near Hunter & Windham Mountains, great for skiing. Judy or Kay, Ext. 3595 or Bea, Ext. 3642.

SHIRLEY - 2 bdrm., l/r, eik, full bath, w/w, walk to beach, working couple preferred, ref., sec., $675. incl. all. 744-2821.

## For Sale

SOUTH SHIRLEY - waterview Contemporary ranch, pvt. area, beach, landscaped, 3 bdrm., den, 2 baths, dining area, f/p, recent oil burner, new roof, gar., bsment., low taxes, $128,000. 281-2186.

SHOREHAM - 3 bdrm. ranch, l/r, d/r, eik, fam. rm., heavily wooded acre, SWR schools, taxes $1,200. $129,000. Ed, Ext. 7786 or 744-7796.

PORT JEFFERSON - 3V school district, split level, 4 bdrms., 2½ baths, den, gar., deck, large bsmt., wooded 1/3 acre, $210,000. 928-0281, leave message.

## Wanted

CAMPBELL'S SOUP LABELS - for church youth group. Paul, Ext. 2350, or mail to Bldg. 599.

SHOP MANUALS - 1978 AMC, 1977 Ford Maverick, 1972 Chevrolet van. Ed, Ext. 4035 or 727-3608 after 5 p.m.

MANUAL - 1981 Buick wagon. Jag, Ext. 5080.

PLUMBER/HANDYMAN - experienced, for residential solar panel, hot water system repair/maintenance. 744-4611 after 6 p.m.

BABYSITTER - for 2-yr.-old boy, Mon.-Fri. Susan, Ext. 3178/3389.

VIOLIN - full-size. 744-4787 eves.

STEREO HEADPHONES - w/separate volume controls for each ear. Ext. 7657.

VIDEO EQUIPMENT - VCRs, cameras & related items in need of repair, reasonable. George, Ext. 4547.

## Classified Ad Policy

**Deadline is 4:30 p.m. Friday for publication Friday of the following week.**

1. The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
2. All items for sale or rent must be the advertiser's property.
3. Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
4. Ads for the sale or trade of firearms will not be accepted.
5. Ads not carried because of space restrictions will be held for publication in the next issue.
6. Ads are run only once and must be resubmitted if they are to be repeated. One ad per person per week.
7. **Property for sale and rent cannot be accepted on this form. Special Real Estate Ad Forms are available at the office of the Brookhaven Bulletin, Building 134.**

☐ For Sale: Autos & Auto Supplies ☐ For Sale: Miscellaneous ☐ Lost & Found ☐ Free
☐ For Sale: Boats & Marine Supplies ☐ Car Pools ☐ Wanted ☐ _____

Please print your ad below in 15 words or less using one word per block. Include name and phone number to call.

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**Note: The following must be completed for your ad to appear.**

NAME (Please Print) .....

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

Send to: Brookhaven Bulletin, Building 134 (Ext. 2345).