BROOKHAVEN BULLETIN
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BROOKHAVEN NATIONAL LABORATORY

Meet the Chairman of the Board

One morning in the mid-1950s, at about 9 a.m., Val Fitch, then a physics instructor at Princeton University, was rudely awakened in his room at BNL's Guest House, after he had just stayed up all night nursing his experiment at BNL's high-energy proton accelerator of the day, the Cosmotron.

Fitch recalls, "I had just gone to bed when there was a knock on the door. It was the Guest House chambermaid, who informed me, 'You must leave your room immediately — the Trustees are coming!' While collecting myself and my things, I told myself that, if I ever become a Trustee, then I'd remember this incident — and make sure that it never happens again."

Nowadays, Fitch is best known as a recipient of the 1980 Nobel Prize in physics, which was awarded to Fitch and James Cronin for their 1963 discovery of CP violation as a result of an experiment at BNL's high-energy proton accelerator, the Alternating Gradient Synchrotron.

In addition, Fitch is now a Trustee — one of 24 elected to the Board of Trustees of Associated Universities, Inc. (AUI). AUI is responsible for the management of both BNL and the National Radio Astronomy Observatory, under contract with the U.S. Department of Energy and by cooperative agreement with the National Science Foundation, respectively. Organized in 1946, AUI is a nonprofit scientific management organization, the day-to-day operation of which is carried out by five corporate officers.

Roger Stoutenburgh

Val Fitch (right), Chairman of the AUI Board, presents new Honorary Trustee Vernon Hughes with a plaque commemorating his 30 years of service to the AUI Board of Trustees. Fitch himself was honored with an award for 10 years of service on the Board.

In fact, not only has Fitch served on the AUI Board for ten years, from 1961-67 and again from 1988 to present, but he has been the Chairman of the Board since his election to a two-year term last October.

"I have done experiments at Brookhaven since 1954, so I bring a certain perspective on life at the Lab to the Board," says Fitch. "Over the years, my students and I have made extensive use of Brookhaven's research facilities, and we have profited enormously. As a Board member, I want to try to give back something to Brookhaven, to the system that has served us so well."

In addition to being AUI Board Chairman, Fitch is the James S. McDonnell Distinguished University Professor of Physics at Princeton University. As Fitch explains, "I originally took a post at Princeton in 1954, in fact, because it allowed me unlimited access to Brookhaven."

As AUI Board Chairman, Fitch presides four times a year over meetings of the full Board, and, in the intervening months, over meetings of the Board's seven-member executive committee.

"The Board provides general oversight of both labs," explains Fitch, who, as a working chairman, exercises his expertise in the oversight of BNL's high-energy physics program.

Among its members' duties, according to Fitch, "We're involved with AUI visiting committees, which regularly appraise the labs' scientific programs; we worry about both labs' finances; we approve the construction of new instruments; we find new members for the Board and our visiting committees; and we appoint new laboratory directors, upon the retirement of existing ones. Fortunately for both labs, they have superb directors."

Concludes Fitch, "Brookhaven was set up to provide facilities that are too extensive for individual universities to manage. With that mission in mind, the graphite reactor and the Cosmotron were built at first, and, now, the Relativistic Heavy Ion Collider is being constructed so the Lab can continue to provide facilities at the forefront of science. It is the Board's job to make sure that BNL's facilities are well managed and staffed, and that an appropriate amount of research on those facilities is carried out by the in-house staff, to ensure both the strength of the facilities and their staff."

— Marsha Belford

New Honorary Trustee Named At Annual AUI Board Meeting

As the managing organization for both BNL and the National Radio Astronomy Observatory (NRAO), Associated Universities, Inc., (AUI) rotates its Board and Executive Committee meetings among BNL, various NRAO sites, and its Washington, D.C. headquarters. This year, the annual meeting of the AUI Board of Trustees was held at Brookhaven, October 21-22.

In an executive session on Wednesday, outgoing Trustee Vernon Hughes, Yale University, was unanimously appointed an Honorary Trustee. He became the Board's sixth Honorary Trustee, joining the late Frank Fackenthal, Columbia University, who was appointed in 1951; the late I.I. Rabi, Columbia, 1972; Franklin Long, Cornell University, 1975; the late LaRoy Thompson, University of Rochester, 1980; and William Sweet, Harvard University, 1981.

At the meeting banquet that evening, Vernon Hughes was presented with a plaque commemorating his 30 continuous years of service to the Board. Also honored was Chairman of the Board Val Fitch, Princeton University, who received an award for his total of ten years of service, 1961-67 and 1988 to present (see story).

Replacing Hughes and outgoing Trustee John Wiesenfeld, Cornell University, are two new Trustees elected to three-year terms: Vera Rubin, Carnegie Institution of Washington, and Paul Sigler, Yale.

Reelected for three-year terms were: Robert Adair, Yale; Marvin Kuschner, State University of New York at Stony Brook; Robert Pound, Harvard; Malvin Ruderman, Columbia; Joseph Taylor, Princeton; and Hugh Van Horn, Rochester.

Trustees were also chosen to serve on the Administrative Affairs Committee; the Audit Committee; the Environment, Safety and Health Committee; and the Executive Committee.

Lastly, all AUI officers were reelected for one-year terms:

- Robert Hughes, President
- Thomas Davin Jr., Vice President - Corporate Affairs (Davin is also AUI General Counsel)
- Jerome Hudis, Vice President - Programmatic Affairs, Controller and Secretary
- Scott Lederman, Treasurer
- Carol Whitley, Assistant Secretary

AUI Distinguished Lecture

Dixy Lee Ray to Discuss 'Environmental Myths'

As a zoologist and environmental activist, Dixy Lee Ray, the former Governor of Washington State, is concerned about protecting the environment — but she is also outspoken about unfounded hysteria over it.

In her 1990 book, *Trashing the Planet*, Ray maintains that a mixture of poor science, poor journalism and fear has brought about unnecessary spending to remedy so-called environmental problems that have no basis in fact.

On Thursday, November 5, at 4:30 p.m. in Berkner Hall, Ray will discuss her concerns in an AUI Distinguished Lecture entitled "Environmental Myths and Their Consequences." Her talk will be introduced by Gerald Tape, former President of and now consultant to Associated Universities, Inc.

According to Ray, there is a lack of scientific evidence proving that certain current environmental issues are valid. Among the environmental problems that she finds questionable are: the greenhouse effect, acid rain, pesticides, nuclear waste, PCBs, radiation and asbestos. In her lecture, Ray will present her views on balancing environmental concerns with industrial and technological progress.

For example, Ray says reducing carbon-dioxide emissions produced by humans to prevent what is called the greenhouse effect is unnecessary because greenhouse gases are made by many other sources, including insects. She says termites may actually be the largest source of greenhouse gases, because they produce ten times more than the current world production of carbon dioxide from burning fossil fuel.

And Ray even questions the whole concept of global warming said to result from the greenhouse effect. She states, "The evidence to support the global warming theory is nonexistent. We are being pressured to impose radical, costly and highly disruptive technical and economic changes on the basis of nothing more than badly flawed computer models of world climate."

Dixy Lee Ray

Dixy Lee Ray is currently Senior Scholar, Environmental Health and Safety, at the University of Maryland at Baltimore. In past years, she has held several important elective and appointed positions, including that of Chairman of the Atomic Energy Commission and Assistant Secretary of State, responsible for international science and the environment. She served as Governor of Washington, 1977-81.

Ray received her Ph.D. from Stanford University in 1945 and taught zoology at the University of Washington for more than 30 years. She has received numerous prestigious honors and awards, including 22 honorary doctorates.

Associated Universities, Inc., began the AUI Distinguished Lecture program in 1965 to offer talks by experts on various topics of interest to the general public. Before Ray's talk at 4:30 p.m., refreshments will be served in the Berkner Hall lobby.

Leaving the Lab After 35 Years or More

The Bulletin salutes employees who are retiring with 35 or more years of Laboratory service.

Few Long Islanders felt the same, but Rita Straub was not displeased with the rainy weekends this summer. "I wanted to retire on my 40th anniversary here," she explained. "If we'd had wonderful weather, I'd have wished I hadn't waited!"

Roger Stoutenburgh

Rita Straub

It was just 40 years and three days ago, on October 27, 1952, when Straub, with an M.A. degree in chemistry, joined the Medical Department.

"I was hired to prepare boron compounds for the boron neutron capture therapy [BNCT] program," said Straub. BNCT, a method of destroying the cancer cells in brain tumors while leaving healthy cells unharmed, is still an ongoing Lab program, but, at that time, it was in its initial stages.

Straub moved on to work in other areas and eventually joined a radiopharmaceutical research team led by Suresh Srivastava, Medical Department.

A significant result of this research was a red blood cell-labeling kit invented and then patented by Srivastava; John Babich, now of Massachussetts General Hospital; Straub; and Powell Richards, now retired from BNL. Prior to its patenting, the invention earned an I-R 100 award as one of the 100 top technological achievements of 1986.

The kit is used to tag red blood cells with technetium-99m — the radioactive tracer used in 85 percent of all diagnostic procedures in nuclear medicine worldwide. With this small, handy kit, a procedure that once required a chemistry lab to carry out can be completed on the spot in about 20 minutes.

Commented Srivastava, "Rita's contribution in this development, particularly during the stages that required meticulous experimentation to reduce the concept to practice, was very significant."

Recognizing the kit's convenience, efficiency and reliability, the pharmaceutical firm Mallinckrodt Medical, Inc., obtained an exclusive license for the invention in 1989. Following extensive clinical testing and FDA approval for human use, it has been successfully marketed as UltraTag® RBC since 1991.

"It was very satisfying to have shared in this work, which has been part of Lab research for many years," said Straub. "The work leading to the concept had Lab roots dating from the late 1950s, when technetium-99m was developed by a BNL team, as well as from 1976 when the first red blood cell labeling kit was patented by Powell Richards and Terry Smith."

Although Straub found her work so interesting, she is looking forward to her retirement. A plus will be having time to travel. "I like to get in a car and drive, with no advance planning, just doing whatever comes along," she said. "I'll be able to do that without having to think about the date I have to be back at the Lab."

It's possible that Straub may be back at the Lab quite soon, though not for work. As a long-term member of the BNL Choral Group led by John Weeks, she may return for the annual Christmas concert, along with other retirees, who are always welcome back in this close-knit group.

Straub also hopes to try out for character parts in local theater groups. "We used to put on some good plays through the BERA Theater Group," she recalled. "It took a lot of effort, but we loved it. Then, everyone grew older, with more responsible jobs, so it became harder to find the time and the energy for rehearsals. Now I'll have the time, and, since I've always liked playing older parts, my age won't be a handicap. In fact, I'll just have to use less makeup!" — Liz Seubert

Note to Employees:

Attendance at lectures, meetings and other special progams held during normal working hours is subject to supervisory concurrence.

Cut Medical and Day Care Costs With Reimbursement Accounts

Though the Lab offers comprehensive health plans, certain medical expenses such as eyeglasses and physical exams are not covered. And, though the Lab offers complete and competitive on-site day care, the costs of child care — as well as care for an elderly or a mentally disabled dependent — can quickly add up, whether on or off site.

Employees who incur these kinds of costs can get some relief by signing up for one or both of the two kinds of reimbursement accounts offered by Associated Universities, Inc. — the Health Care Reimbursement Account and the Dependent Day Care Reimbursement Account.

Also known as flexible spending accounts, reimbursement accounts allow employees to withdraw tax-free dollars that were set aside through salary reduction to pay for eligible health care and/or dependent day care expenses.

By using before-tax dollars to pay these expenses, employees effectively lower the actual cost of the expenses. Consider a married employee who has two dependent children, earns $35,000, files a joint tax return and takes a standard deduction. Setting up a Health Care account with $750 would save this employee $230 in taxes.

With the Day Care account, a married couple earning less than $53,400 and contributing $5,000 to the account would save about $2,180 in taxes.

Enrollment in these accounts for calendar year 1993 is going on through November 30. Eligible employees — those who work at BNL at least 20 hours a week — may set aside from $300 to $1,500 for the Health Care account and/or $300 to $5,000 in the Dependent Day Care account.

All those who wish to sign up for 1993 must fill out new forms. Employees currently enrolled will be sent new forms, but others should contact Personnel Services, Bldg. 185, Ext. 2877, for enrollment forms or more information. Completed forms must be returned to Personnel Services by November 30, for coverage effective January 1, 1993.

Book Your Calendar for Book Fair Plus

The Technical Information Division will host its annual Book Fair Plus on Wednesday, November 4, from 10 a.m. to 3 p.m., in Berkner Hall. All are invited to attend.

The fair will be a mix of information-product exhibits, featuring books, journals, CD-ROMs, imaging technology and free searches of online databases; plus two seminars and one discussion group on the latest trends in managing information electronically.

In addition, forms may be found near each exhibitor so that those attending Book Fair Plus can make purchase suggestions to TID. During the fair, many publishers will also be offering special discounts to individual purchasers.

Two Book Fair Plus seminars and one discussion group are scheduled for Room B, Berkner Hall, as follows:

First, at 10:30 a.m., Bill Young of Information Dimensions will discuss "A Data Model for Standard Generalized Markup Language [SGML] for Scientific Publishing." SGML is a standard system currently used by CERN for the production of documents electronically, and a prototype of it is already used by several contractor facilities in the U.S.

Roger Stoutenburgh

Intent browsers at last year's Book Fair Plus.

At 2 p.m., Charles Russell of Xerox Corporation will address "Imaging Technology and Its Impact on the Document." Finally, at 3 p.m., Russell will moderate a discussion group on imaging trends, customer requirements for systems to manage office and scientific records, scanners, high bandwidth communications, and printers. Contact Doris Alkes, Ext. 3488, to register for this group.

The computer-based products to be exhibited at Book Fair Plus are representative of the many services now offered by TID. New library users may obtain information about TID's services during Book Fair Plus by picking up an information packet about INFORM.

INFORM is TID's computer system, which includes the on-site libraries' card catalogs plus several other databases: six months of Current Contents, BNL's telephone directory, full text of Material Safety Data Sheets on materials used at BNL, and gateways to other catalogs on Internet, such as the State University of New York at Stony Brook's library card catalog.

Service America Bankruptcy Should Not Affect BNL

The news that Service America Corporation (SAC), which provides food services for the Lab, filed for protection under Chapter 11 of the U.S. Bankruptcy Code on October 20 has left a lot of BNLers wondering about how that action will affect Brookhaven.

Chapter 11 is designed to permit a company that cannot pay its debts to reorganize under court supervision, without going out of business. Thus, according to Robert Beeby, SAC's chairman and chief executive officer, the effect on Brookhaven should be negligible.

"I want to assure our employees, customers and suppliers that Service America will continue to operate business as usual," Beeby said in a press release. "We will continue to provide our customers with the same high-quality levels of service and product selection as before the filing. Our relationships will be normal and uninterrupted, customer contracts will continue to be met, and employees will continue to provide the highest quality service."

The company has submitted an outline for a proposed plan of reorganization and reached agreement with its senior lender for a total of $105 million in financing, which, said Beeby, "will enable us not only to continue to operate our business, but to make certain capital investments, as well. Our customers and employees will benefit from the expansion in services . . ."

After meeting on Tuesday, October 27, with SAC District Manager James De Gilio, Ron Manning, Manager of the Staff Services Division, said, "I have been and will remain in close contact with Service America management regarding continuity of food services at the Lab. I am confident that SAC will continue to meets its contractual obligations and maintain uninterrupted operations at BNL."

Taste Wine & Food At Stony Brook

Most of Long Island's wineries, as well as such distinguished food establishments as Le Soir, Mirabelle and Starr Boggs', will serve their finest selections at the State University of New York (SUNY) at Stony Brook's Third Annual Autumn Evening's Wine and Food Tasting, on Thursday, November 19.

To benefit high-achieving Stony Brook students, the event will run from 5:30 to 8:30 p.m. in the atrium of the indoor sports complex.

Admission is $30 when prepaid and $35 at the door. To obtain tickets before November 12, send a check, payable to Stony Brook Foundation/Scholarship Fund, to Paula Pelletier, Office of Institutional Studies, 428 Administration Building, SUNY at Stony Brook, Stony Brook, NY 11794-0201. Attendees must be at least 21 years old.

For more information, call Michael McHale, 632-6873.

Camera Club

In keeping with the spirit of the season, the Camera Club will compose a Thanksgiving photo display in Berkner Hall. Photographs submitted must be at least 8"x 10" and framed. Bring photos for display at 5:30 p.m. on Wednesday, November 4.

The next club meeting will be held at noon on Wednesday, November 18, in the Berkner Hall lounge to discuss the Club's organization and future, so please attend.

For information about the display or the meeting, call Ripp Bowman, Ext. 4672, or Lew Jacobson, Ext. 5193.

Equipment Demo

IBM and Accugraph will demonstrate graphically based facility and property management (FM&PM) on the IBM RISC System/6000 workstation, on Monday, November 9, 2 p.m. in the CCD Seminar Room, Bldg. 515.

Topics to be discussed include: empowering FM&PM with integrated database and CAD images, optimizing placement and tracking of equipment and furnishings, increasing management information with intuitive graphics tools, and optimizing civil engineering design, including mapping, surveying and functionality, to front-end GIS solutions.

To enroll, call Ken Hammer, IBM, Ext. 7311.

An Annual Halloween Treat

Roger Stoutenburgh

If it's Halloween, it must be Jeanne Danko, Ann Fort and Kathy Nasta in one of the clever and convincing tableaus that they've been creating since 1987. Last year, the trio was joined by five of their Department of Nuclear Energy colleagues, and the octet all took vacation time to portray Snow White and the Seven Dwarfs. Shown here just before they heigh-hoed off to trick and treat their friends all around site: (back) John Usher as Snow White, (front from left) Ann Fort as Doc, Alice Constantini as Dopey, Donna Storan as Grumpy, Sonja Santos as Happy, Jean Penoyar as Sneezy, Kathy Nasta as Bashful and Jeanne Danko as Sleepy. Even as this Bulletin is being distributed, many of this group are making their rounds and wishing BNLers a Happy Halloween! So be on the lookout for the clever costumes of 1992!

In Concert: Borealis Wind Quintet and Dag Achatz

The Borealis Wind Quintet and pianist Dag Achatz will combine their highly acclaimed talents in the second BERA concert of the 1992-93 season on Monday, November 9, at 8 p.m. in Berkner Hall.

Founded at the Juilliard School in 1976, the Borealis Wind Quintet was named "Young Artists to Watch" by *High Fidelity* magazine after winning numerous competitions. One of America's preeminent chamber ensembles, they have also won grants from the National Endowment of the Arts and Chamber Music America.

Swedish-born Dag Achatz is a world-class pianist who has won top prizes in several European competitions, including first prize in the Maria Canals Competition in Barcelona. He is a frequent performer at European festivals and has made more than twenty recordings.

The program for the Brookhaven concert consists of Wolfgang Mozart's Quintet for Winds and Piano, K. 452; the contemporary composer Vincent D'Indy's Sextet; and Sextet by Ludwig Thuille. Solo, the Borealis Quintet will perform the contemporary composition, Six Bagatelles, by Gyorgy Ligeti, and Dag Achatz will also perform several sonatas by Domenico Scarlatti.

Tickets for the concert can be purchased at the door the night of the performance. Ticket prices are $12 for general admission, $9 for students and people over age 65, and $5 for youths under 18.

Borealis Wind Quintet (right) and (above) Dag Achatz

Hospitality News

On Tuesday, November 3, the Hospitality Committee will hold an informal get-together to welcome newcomers to the Lab, especially those residing on site. Come to the lounge of the Recreation Building in the apartment area, at 9:30 a.m., to get acquainted with those living on and off site.

Spouses of Lab employees and guests are welcome. Refreshments will be served. Bring the children as free baby-sitting will be provided.

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Cafeteria Menu

Luncheons

Monday, November 2	
Soup: Cream of potato	.80/1.10
Entree: Kielbasa & cabbage	3.20
Lite choice: Vegetable lasagna	3.35
Carvery: Hot pastrami sandwich	2.95
Grill: NY shell steak w/baked potato	3.95
Tuesday, November 3	
Soup: Black bean	.80/1.10
Entree: Veal Parmesan	3.45
Lite choice: Spinach quiche	3.20
Carvery: Hot roast beef sandwich	2.95
Grill: Halibut steak w/rice pilaf	3.45
Wednesday, November 4	
Soup: Country broccoli	.80/1.10
Entree: Grilled flank steak	3.65
Lite choice: Ravioli w/marinara sauce	3.20
Carvery: Hot baked ham sandwich	2.95
Grill: Reuben platter	2.95
Thursday, November 5	
Soup: Chicken soup w/lima bean	.80/1.10
Entree: Chicken Kiev	3.65
Lite choice: Cajun catfish	3.45
Carvery: Corned beef sandwich	2.95
Grill: Swordfish w/wild rice	3.45
Friday, November 6	
Soup: Seafood bisque	.80/1.10
Entree: Fried flounder platter	3.45
Lite choice: Vegetarian plate	2.35
Carvery: Turkey sandwich	2.95
Grill: Philly cheese steak sandwich platter	2.95

Monday Night Football
9 p.m. . . . . Brookhaven Center

Party Canceled

The Halloween Party scheduled for tomorrow night at the Recreation Building has been canceled.

AutoCAD Meeting

On Wednesday, November 4, Eberhard Engineering will demonstrate AutoCAD on the IBM RISC System/6000 Model 220, in the CCD seminar room, Bldg. 515, at 2 p.m. Call Chris Neuberger, Ext. 4160, or Ken Hammer, IBM, Ext. 7311, for information.

Software Demo

Paul Haddad of Applix Inc. will demonstrate Aster*x, an office-integration application run under UNIX, on Thursday, November 5, from 10 a.m. to 11:30 a.m., in the CCD seminar room, Bldg. 515. Aster*x allows the user to create, edit and exchange business information across x-bases systems, PCs and Macintoshes. For further information and to register, call the Software and Documentation Store, Ext. 4127 or 4144.

Holiday Parties: Time to Reserve

Recreation Building

Lab organizations and BERA activity groups interested in reserving the Recreation Building in the apartment area for holiday parties are invited to send a representative to a meeting on Thursday, November 5, at 11 a.m., in the conference room of Bldg. 185A.

As in past years, reservations will be made in the order determined by a lottery, which will be held for those at the meeting.

As long as dates are available, subsequent reservations may be made through Wednesday, November 25, by contacting the Recreation Office, Ext. 2873.

Brookhaven Center

Reservations for parties at the Brookhaven Center may be arranged by calling Jane Guido, Staff Services, Ext. 2553.

Service Awards

The following employees celebrated BNL service anniversaries during the month of October:

Forty Years

Helen R. Connell.....Nuclear Energy
Rita F. Straub.....Medical

35 Years

J. Robb Grover.....Chemistry
Robert L. Monaghan.....AGS
Robert Smol.....App. Science
Arie Van Steenbergen.....NSLS

30 Years

Charles Briening.....Accel. Dev.
Ralph Brown.....AGS
Rodger A. Hubbard.....AGS
John T. Keane.....NSLS
Viola D. Malloy.....Fiscal
Mario A. Manni.....Physics
Francis J. Mottl.....Accel. Dev.
Nicholas F. Pisco.....CCD
Alan R. Schmidtchen.....P&GA
Frank Toldo.....AGS

25 Years

Barbara D. Gaer.....Instrum.
Alfred C. Saulys.....Physics
Fern M. Simes.....Physics

20 Years

Walter J. Hughes.....Plant Eng.
Robert R. MacGregor.....Chemistry
Peter N. Palamidis.....Plant Eng.
Lowell A. Ross.....Plant Eng.
Charles V. Seaton.....Sup. & Mat.
Alan J. Stevens.....Accel. Dev.
Paul D. Williams.....Plant Eng.

10 Years

Michael D. Anerella.....Accel. Dev.
Alfred J. Della Penna Jr......Instrum.
Yuri L. Elisman.....Accel. Dev.
Margaret H. Hedrick.....CCD
Carol R. Kempf.....Nuclear Energy
Robert F. Lambiase.....Accel. Dev.
Dennis J. Malloy.....Cent. Shops
Anne F. Meinhold.....App. Science
Rollins J. Otten.....Accel. Dev.
Pablo J. Rosas.....AGS
Frank U. Teich.....Cent. Shops
Li-Hua Yu.....NSLS

In Memoriam

Experimental Welder **Robert Lucas** of the Central Shops Division (CSD), who was stationed at the Alternating Gradient Synchrotron, died at age 57 on September 28, following a battle with cancer. He had started at the Lab on March 1, 1965, as a welder, and took a leave of absence for long-term disability this February 14.

"Bobby was a very dependable and knowledgeable employee," recalls his supervisor, Alfred Farland, Supervisor of CSD's Welding & Sheet Metal Shop. "He had a unique sense of humor that added to the character of the welding shop. He was well liked and is missed by all who knew him."

A former resident of West islip, Lucas is survived by his wife Donna Lucas, sister-in-law Patricia King, uncle John Nagel, and cousin Catherine Weber. Contributions in his memory may be made to the American Cancer Society.

Volleyball

Standings as of 10/21

Open League		League I	
Roofing Company	3-0	Network News	3-0
Gteam	3-0	Underdogs	3-0
Penetrating Vollies	2-1	VolleyBallAholics	3-0
Me & the Boys	1-5	Upfagrabs	2-1
Farside	0-3	Rude Dogs	1-2
		D&D Company	0-3
		Fornossing	0-6

League II		League III	
Just Up	3-0	High Volley'em	2-1
Nuts & Bolts	3-0	Volley of the Dolls	2-1
Monday Nite Live	3-0	Upton Ups	2-1
Fossils	2-1	Jolly Vollies	2-1
Night Court	1-2	Silver Bullets	1-2
Sourcerers	0-3	Nutcrackers	1-2
Safe Sets	0-3	Mis-Fits	1-2
Net Wits	0-3	Hairballs	1-2

Bowling

Red/Green League

A. Warkentien bowled a 227, R. Wiseman 225, R. Jones 224, R. Eggert 223/203/607 scratch series, K. Riker 221/202/603 scratch series, C. Scarlett 211/205, E. Carter 211, G. Sorensen 205, S. DiMaiuta 201, G. Meinken 201, M. Palumbo 201, F. Griswold 200.

Purple League

Dick Larsen bowled a 266/201/620 scratch series, Ed Sperry IV 221/219/599 scratch series, Joe Sheehan 204, Kay Conkling 197, Joe Ferrante 195/187/556 scratch series, Sharon Smith 192, Vito Manzella 191, Steve Gushue 189/188, Elaine Zukowski 188, Debbie Keating 184, Pat Manzella 181, Jeanne Penoyar 180.

White League

Ken Batchelor 240, Norman Fewell 225/187/561 scratch series, Phil Radusewicz 221, Ray Raynis 220, Ben Belligan 216, Ed Meier 210, Ken Riker 210, Jim Petro 192, Brian McCarrick 191, Ralph Vega 187/182, Norman Besemer 187, Larry Musso 181, Lorraine Roecklein 175, Renée Flack 174, Maryann Reynolds 172.

Classified Advertisements

Placement Notices

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

Each week, the Personnel Division lists new placement notices. The purpose of these listings is, first, to give employees an opportunity to request consideration for themselves through Personnel, and, second, for general recruiting under open recruitment. Because of the priority policy stated above, each listing does not necessarily represent an opportunity for all people.

Except when operational needs require otherwise, positions will be open for one week after publication.

For more information, contact the Employment Manager, Ext. 2882, or call the JOBLINE, Ext. 7744 (282-7744), for a complete listing of all openings.

SCIENTIFIC RECRUITMENT - Candidates may apply directly to the department representative named.

PHYSICIST/COMPUTER SPECIALIST - preferably with an advanced degree in nuclear or high energy physics, to participate in the design, setup and management of the RHIC computing facility. Must have knowledge of the UNIX operating system, and experience in C and FORTRAN programming languages. Contact: Thomas Ludlam, RHIC Project.

POSTDOCTORAL RESEARCH ASSOCIATE - trained in biochemistry, microbiology or molecular biology, to conduct studies on the structure, function and activation of a nuclear, serine/threonine protein kinase and DNA-PK. Experience in enzyme purification, cDNA cloning, and/or antibody techniques is preferred. Contact: Carl Anderson, Biology Department.

POSTDOCTORAL RESEARCH ASOCIATE - trained in physical chemistry or chemical physics, with experience in laser spectroscopy and gas-phase molecular dynamics, to work in the areas of gas-phase molecular energy transfer and laser probes of reaction dynamics. Contact: Gregory Hall, Chemistry Department.

POSTDOCTORAL RESEARCH ASSOCIATE - trained in chemistry or biochemistry, to study metal-ion modified electron-transfer proteins. Applicants should be familiar with standard biochemical and metallobiochemical techniques, including protein purification and characterization, proteolytic sequencing, HPLC of peptides and air-sensitive manipulation. Contact: James Wishart, Chemistry Department.

POSTDOCTORAL RESEARCH ASSOCIATE - trained in organic chemistry, to participate in research to develop and evaluate Cu-67, Sm-153 and Au-199 labeled antibodies. Experience with synthesis of macrocycles, handling and measurement of radioactivity, radiolabeling of monoclonal antibodies, cell-binding assays, serum stability studies, and techniques such as HPLC, ITLC and PAGE is desirable. Contact: Leonard Mausner, Medical Department.

ACCELERATOR PHYSICIST - junior staff position for individual trained in theoretical and experimental aspects of the study of charged particle beams. Must have expertise in rf and digital controls. Contact: Michael Harrison, RHIC Project.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

MK 10159. BIOLOGY ASSOCIATE POSITION - Requires MS/PhD and extensive experience in x-ray protein crystallography. Will assist in the management of a beam line at the NSLS. Responsibilities will include maintaining and improving the experimental station, including extensive writing of software for protein crystallography, assisting users with experiment, as well as sustaining independent research projects. Must be willing to work irregular hours. Biology Department.

DD 6140. TECHNICAL POSITION - Requires AAS in electronic technology or equivalent with significant knowledge of rf and high-voltage circuits. Duties will include the constructing, troubleshooting and maintaining of rf amplifiers and high-voltage power supplies. Will work from electronic schematics, verbal instructions and sketches. Knowledge of electronic test instruments and safety procedures associated with high-voltage and electrical systems desirable. Alternating Gradient Synchrotron Department.

DD 6432. OFFICE SERVICES POSITION - Requires previous experience with both computerized and manual accounts-payable systems. Will prepare and process vouchers for payment, and maintain records regarding payments. Additional duties will include filing, data entry and processing daily mail. Fiscal Division.

NS 6119. ENGINEERING POSITION - (term appointment) Requires a BSME, approximately ten years' experience engineering cryogenic systems, experience performing engineering calculations and design layouts, and familiarity with shop practices. Knowledge of ANSYS and AutoCAD desirable. Responsibilities will include the design, construction, installation and operation of LN2 and LHe cooling systems for superconducting devices and other cryogenic systems. Alternating Gradient Synchrotron Department.

Motor Vehicles & Supplies

91 JEEP WRANGLER - 4wd, soft-top, 11k mi., excel., $10,500; '90 Lincoln Town Car, Signature Series, 33k mi., loaded, $16,400. John, Ext. 4660.

90 PONTIAC BONNEVILLE - 27k mi., silver gray, 4-dr. sedan, asking $12,000. Roy, 286-5962.

90 MUSTANG GT - white, 5.0, 5-spd., fully loaded, sunroof, leather int., custom wheels, tinted windows, 36k mi., $12,300. Doug, Ext. 5857.

90 JEEP WRANGLER - 6-cyl., 5-spd., p/b, p/s, 3 tops, alarm, CD Benzi, CB, light bar, many extras, $10,000 neg. Curt, Ext. 4438.

89 FORD F150 PICKUP - 302, V-8, 4-spd., p/s, p/b, 70k mi., $6,700. 878-4177.

89 PLYMOUTH SUNDANCE RS - 18k mi., a/t, ac, p/s, p/b, sunroof, p/w, p/l, am/fm cass., fog, excel. cond., $6,500. Eric, Ext. 5875.

89 HONDA ACCORD LXI - 5-spd., 2-dr., $8,900. Ext. 7009 or 689-7963.

88 NISSAN 4x4 PICKUP - p/s, p/b, fm cass., cap, more, good cond. $7,500. Fran, 369-9062.

88 PLYMOUTH VOYAGER LE - 3L, V-6, all extras, clean, high mi., runs well, best offer over $3,000. Connie, Ext. 2594 or 727-1483.

88 CHRYSLER LEBARON - 4-dr., a/t, cruise, ac, 37k mi., 7/70 warr., new tires, clean, $4,900. 369-0432.

88 FORD PICKUP F-150 - V-8, 302, 4-spd., 4wd, ¾-ton, good cond., must see, $8,000. Ext. 3082.

87 CHRYSLER LEBARON - 75k mi., a/t, ac, p/s, cruise, am/fm cass., $3,000. Masaki, Ext. 2609/5627 or 1082 after 6 p.m.

87 TOYOTA MR2 - T-top, a/t, ac, p/s, p/b, cruise, am/fm stereo cass., many extras, excel. cond., $6,000 neg. Ext. 7321 or 475-2870.

87 STERLING 825S - 4.6k mi., a/t, p/s, p/b, gold, dark tint windows, moonroof, $5,000. Edwards, Ext. 4308.

87 MITSUBISHI PRECIS - 4-spd., 33 mpg, 63k mi., Awia am/fm cass., 50 watt system, clean in & out, $2,095. Carl, Ext. 5283.

87 MERCURY SABLE - 4-dr., 66k mi., orig. owner, all options, must sell; tires, 2, Dunlop, steel radials, 185/70SR14, $10/ea. or $15/both. Paul, 751-2149.

86 CHEVY CHEVETTE - new tires, brakes, starter, red, must sell, good cond., $1,200. 286-9426.

84 PONTIAC PHOENIX - mech. excel., just spent $500 on engine, rear end damaged, for spares or repair. Brian, 929-5407.

83 HONDA GL 1100 PARTS - Interstate, chrome rotor covers, front, $50; front caliper covers, $25; heel-toe shifter, $25; driver floor boards, $40. Ext. 4986.

83 CHEVY WAGON - p/s, p/b, ac, stereo, AMF, new tires, 140k mi., excel. cond., asking $2,300. Uwe, Ext. 5640.

82 PONTIAC J 2000 - 4-dr., a/t, cruise, 32 mpg, all power, sunroof, tilt steering, ac, am/fm cass., runs, looks good, $1,100 or best offer. 929-8443.

82 FORD BRONCO 4x4 - w/351, has front-end and body damage, runs well, must sell, $800. Joann, 472-6742.

81 TOYOTA TERCEL - 2-dr. h/b, 5-spd., m/t, one owner, runs well, no rust, $650. Nick, Ext. 3205 or 267-3434.

81 DATSUN B210 - 2-dr. h/b, a/t, good cond., looks great, $1,200. Russ, Ext. 3059 or 758-3952.

77 LEBARON - 83k mi, runs well, first yr. made, asking $850. Ron, Ext. 4553.

77 EL CAMINO - clean body, needs mechanical work, $850. John, Ext. 2172 or 744-4386.

75 BLAZER 4x4 - rebuilt trans. 7/92, a/t, engine excel., minor body work, $1,500. Russ, 325-0563.

73 HONDA CB 350 MOTORCYCLE - 14k mi., in storage for last 3 yrs., 2 helmets incl., $200. Hurst, Ext. 3844.

The Brookhaven Bulletin is printed on paper containing at least 50 percent recycled materials, with 10 percent post-consumer waste.

74 CHRYSLER WAGON - Town & Country, a/t, ac, p/s, p/b, p/w, $300. Tony, 698-9274.

69 DODGE DART - clean, family owned, 6-cyl. eng., 112k mi., good running cond., $400 or best offer. Ext. 2949 or 427-2435.

FORD CROWN VICTORIA LTD - v.g. cond., must be sold. Jacob, Ext. 4528/1024.

RIMS - 4-lug, Ford or Mercury, 14" w/hubcaps, new cond., 4/$50, Gregg, Ext. 4446 or 874-8631.

TIRES - 4, Goodyear G-Metric tires for VW bug, computer mounted & balanced, brand-new, $75. Lie Ping, Ext. 3867.

TIRES - 4, 215x15R, M&S, excel. cond., $30/ea. or $110/all. Ext. 4597 or 924-8213.

UTILITY TRAILER - heavy-duty, 14" wheels, 6' box, extendable tongue for boat, $125. Ext. 2177 or 298-4985.

Boats & Marine Supplies

23' FRIENDSHIP SLOOP - freshwater-cooled Volvo diesel, DS, knotmeter, compass, autopilot, launched '83, excel. cond. Ext. 2177 or 298-4985.

22' MARSHALL CATBOAT - freshwater-cooled Yanmar diesel, VHF radio, depth sounder, Danforth compass, head. Gordon, 477-2269.

12' JON BOAT - Sears, aluminum, 2 bass seats, trailer, new Minnkota, 36 lb. thrust motor, asking $850. 286-0902 days or 286-7894 eves.

MOTOR - 1991, 6-h.p. Evin., long-shaft w/alternator, cost $995, now $795. Walter, 938-8353.

SUNFISH - needs minor repair, $50. Bill, Ext. 4752.

Furnishings & Appliances

BEDROOM SET - 4 pieces, 6-drawer high dresser, 8-drawer low dresser, 2 side tables, walnut, $550 neg.; microwave, GE, $100 neg. Hurst, Ext. 3844.

CABINET - Hoosier, oak, metal retractable table top, v.g. cond., $500. Wink, 286-4291.

CHANDELIER - dining room, traditional, w/hanging crystals, $75. Ext. 2352 or 821-5247.

CLOCK - chime, Howard Miller, Westminster, excel. cond., retail $255, asking $49. 473-7667.

COFFEE TABLE - 2 end tables, all wood, v.g. cond., $20/ea. 472-3254.

DESK - student, corner, dark pine & Formica, 1 drawer, $25; sofa bed, Castro, full, orange, $100. Jean Byrne, Ext. 5843 or 331-4525 after 6 p.m.

DINING ROOM - traditional, table w/2 leaves, 6 chairs, china closet, hutch, $500. Linda, 360-0145.

DINING ROOM - table & lighted china cabinet, solid oak, Richardson, $585. Sharon, 924-5505.

DISHES - porcelain china, service for 4 or 8, pastel flower design, brand-new, never used, $30/four, $60/eight. Ext. 7321 or 475-2870.

HEADBOARD - brass, Drescher, king-size, orig. $700, sell for $300. Bill, 878-6639.

MAPLE SERVER - $50; maple bar stools, 5, $10/ea.; maple side table, $20. 588-6417.

MICROWAVE OVEN - Sharp, 0.7 cu. ft., turntable, 1 yr. old, must sell, $100. So, Ex. 7546.

SOFA - loveseat, 2 chairs, 3 tables, extras, excel. cond., $400 neg.; hanging lamps, best offer. Donna, 585-5660.

SOFA & RECLINER - brown tweed, v.g. cond., $175; cocktail table, 2 end tables, octagon shape, smoked glass tops, dark wood, $250. 732-6569.

SOFA - sectional, 7 pieces, dusty rose, good cond., $500; hutch, country pine, new cond., $400. 744-3842.

SOFA BED - loveseat, glass/brass tables, mint, $890. Doug, Ext. 4661 or 281-4541.

TABLE - antique oak, dining, 30"x42", extends to 54", $190. Sandy, Ext. 3369 or 286-1022.

WATER BED - Somma, single bed, excel. cond., $150. 878-1178.

Tools, House & Garden

FIREWOOD - seasoned oak. J. Scesny, 732-2849.

FIREWOOD - seasoned hardwood, split, delivered, stacked, $100/cord. Joann/Ken, 331-1841.

GIANT VAC - blower, 5 h.p., pneumatic wheels, push-type, good for lawns & parking lots, $300. John, Ext. 5211 or 732-7568.

KEROSENE RADIANT HEATERS - 2, $25/ea. Ext. 2343 or 563-2889.

SHOWER BASE - corner, 38", white, fg, new, orig. $200, sell for $100 or best offer. Sue, Ext. 3492 or 734-6680.

STOVE - wood or coal, $500 neg. Donna, 585-5660.

TOPSOIL - fine screened, 5 yard min. delivered, $20/per yard. 696-6011, leave message.

VANITY - custom, w/cast-iron bathroom fixtures, seafoam green; shower door, remodeling, must sell, $125. Carol, 475-7454.

WATER FILTER - AquaAid, spare cartridge, new, $20; Parker 30" lawn sweeper, rider towed, $50. Ellie, Ext. 3395 or 325-1537.

WOOD STOVE - Vermont Castings, Vigilant model, airtight, mint cond., $75. 286-5962.

WOOD STOVE - Vermont Castings, Vigilant model, excel. cond., will deliver locally, $375. Joe, Ext. 5348 or 331-1372.

Sports, Hobbies & Pets

BIKE - child's, 20" tires, coaster brake, $20. Joe, Ext. 2898.

BICYCLES - 2, 10-spd., 1 man's, 1 woman's, both good cond., make offers; Ping-Pong table, w/access., excel. cond., $60. Brian, Ext. 2799.

CAMERA - Pentax 1000, 35mm, w/adjustable focus, carry case, excel. cond., $150. Kathy, Ext. 2267 or 395-6520.

DARKROOM - Bogen enlargers w/lenses, paper and access., for b/w & color printing, $200/all. Ext. 2384 or 924-8558.

DOGGIE IGLOO - good for medium or large dogs, insulated door, flap base, $125. Cathy, 286-5962.

ELECTRIC PIANO - Yamaha CP-30, $350; amp., Fender Bassman, 200W, $300. Matt, Ext. 2426.

GUITAR - folk, light wood, w/case, 5 music instruction books, $50. Edith Kelly, 744-3069.

GUITAR AMP - GK250RL, $150; Nady 201, wireless system, $200. Ext. 4661 or 281-4541.

HORSE TRAILER - 1987, Kingston, 2-horse, extra wide, bus window, less than 2k mi., mint cond in/out, asking $3,000. Joe, 277-8590.

POOL COVER - 20'x40', used 1 season, w/water bags & air bags, $75. 286-0682.

PUPPIES - AKC, standard poodles, 6 weeks old, 2 male, 2 female, 1 black, 4 chocolate. Nancy, Ext. 4440 or 928-7539.

PORTABLE CAMPING KITCHEN - stores camping supplies, 36"x25"x14", $25; woman's bowling ball, $10. John, Ext. 4028.

RABBIT HUTCH - removeable roof for cleaning, insulated, bi-level, wire play, sunning area, mount for water bottle. Tony, 727-3863.

SKI MACHINE - orig. $125, now $50; bird cages, different sizes. Jerry, Ext. 7427.

SURF ROD - 12', one piece, S-glass, custom-made, like new, also waders & 2 reels, $150. Tony, 587-9375.

WEIGHT BENCH - Marcy IPM, w/leg extension, new, $100. Steve Kane, Ext. 7236.

Audio, Video & Computer

COMPUTER - Radio Shack, P4 portable, word proc., spreadsheet, learning cass., full documentation, extra programs, $250. E. Albert, 727-4884.

COPIER - Savon B35, w/all chemicals, like new, $500. Kathy, Ext. 2267 or 395-6520.

CD PLAYER - Sony CDP-C705, 5-disk carousel, memory, 18-bit D/A, 8x oversampling, peak search, fade, $235. Hans, Ext.4584 or 981-3365.

DISKETTES - 360k, new, 25/pack, $6; El Nikkor 50mm 2.8 enlarging lens, $75. Susan, Ext. 7647.

ELECTRONIC CORRESPONDENCE COURSE - FCC license & TV repair, $25. Ext. 2343 or 563-2889.

SHORTWAVE RADIO - Sony ICF2010, portable phase loop tuning, orig. $550, now $325. R. Sutter, Ext. 7602.

STEREO - tape deck, cassette, headphones, more, never used, orig. $250, now $100. 744-3842.

STEREO - am/fm phono, 8-track tape, combo, make offer. Janet, Ext. 2345 or 929-3910.

TV - Panasonic, color, 19", $175; Panasonic VCR, 2 head, $150, both 1 yr. old. So, Ext. 7546.

TV - RCA, color, 25", console, not cable ready, works well, $100. Don, Ext. 2249.

TV - Toshiba, 19", $120; VCR, $140; microwave, 1 yr. old, $80; Masaki, Ext. 2609/5627 or 1082 after 6 p.m.

TV - Magnavox, 19", new, w/remote control, $150, Jacob, Ext. 4528 or 1024.

Miscellaneous

AIRLINE TICKETS - 4, American Airlines, L.A. to Islip, 1 way, $100/ea., $25 to change date. 341-1039.

ARTIFICIAL XMAS TREE - $25; snow skis, $20; andirons, $20; broiler oven, $20; stroller, $20; whirlpool, $20; coffee pot, $20. Kathy, 744-2203.

BABY'S WALKER - Graco, 4 height positions, good cond., $7; baby's clothes, overalls, sweaters, pajamas, more, under $5. Mary, 924-6235.

BABY'S SWING - Fisher Price, $25. Cathy, 286-5962.

CRIB - Ethan Allen, maple, very good cond., $80. Steve Kane, Ext. 7236.

JEAN JACKET - Levi, slim, new, $15; black jeans, 30/32, new, $5; winter jacket, black denim, $10. Dave, Ext. 5465.

WAITRESS UNIFORM - black skirt & vest, size 10. Janet, Ext. 2345.

WEDDING GOWN - white, size 5, excel. cond., $75 firm. 732-6569.

Free

CAT - gray and white, 1 yr. old, very gentle. Ext. 7009 or 689-7963.

STEPPER - exercise machine, hydraulic w/digital LED displays, like new. Steve, 581-2102.

Lost & Found

LOST - wedding ring on 10/22. Ext. 2830.

Car Pools

BOHEMIA-E.ISLIP-OAKDALE-SAYVILLE - need 1 more driver, call for interview. Frank, Ext. 2314.

PLAINVIEW - Exit 43 off LIE, 4th driver needed. Elliott, Ext. 2495.

STONY BROOK - existing car pool looking for 1 or 2 more members. Ext. 4192/5080.

Wanted

AREA RUGS - decent cond. Adam, Ext. 3417/4739.

BOXSPRING & MATTRESS - twin size, and/or twin-size air mattress, excel. cond. & reas. Jeanne, Ext. 2614 or 286-1290 eves.

HANDY PERSON - to install TV antenna. Susan, Ext. 2184.

IBM PC - or clone. Al, 744-0354.

LIVING ROOM FURNITURE - must be in good cond.; single cassette-tape player, will consider dual cassette. Bill, Ext. 4312 or 281-6498 eves.

PEOPLE INTERESTED IN JO DO - "martial art of the stick," demo 11/11, 5:30 p.m., Rec. Hall in apt. area, starting new club. Rolf, Ext. 4810.

EFFICIENCY APT. TO RENT - furn. w/bath, nonsmoker, quiet, Bellport Village or Brookhaven Hamlet. 286-0999.

SINGLE MEN & WOMEN - 30 yrs. + for a buffet party, Th. 11/5, food, fun, dancing. Ext. 3426 or 399-3381.

SUBSTITUTE TEACHER - Upton Nursery School, M,T,Th, 8 a.m.-noon, $10/hr., resume to Box 324, Upton, NY 11973. Jane, 744-7336.

WATERCOLORS - brushes, paints, etc., from someone no longer interested. John, Ext. 76571.

In Appreciation

To the entire Instrumentation Division — Thank you for all your support during a stressful time. — Al & Sue DellaPenna

Classified Ad deadline is 4:30 p.m. Friday for publication Friday of the next week.