

Guide Book Writers and Editors Meet



Roger Stouenburgh

At BNL on October 29-31 Occupational Medicine Clinic Head Bryce Breitenstein (center) hosted six of the seven international experts with whom he is collaborating in writing a *Guide Book for the Treatment of Accidental Internal Radionuclide Contamination of Workers*.

Sponsored by the radiation protection program of the Commission of the European Communities (CEC) and the Office of Health and Environmental Research (OHER) of the U.S. Department of Energy (DOE), the book is intended as a practical guide to be used to remove radionuclides from the body of workers who have accidentally inhaled, absorbed or ingested radionuclides.

Based on a review of the current treatments, the guide book is to be used by occupational physicians, nurses and other related medical personnel. Chapters cover the need for preparedness, emergency management immediately after the accident, assessing victims' treatment needs, methods of determining the content of radionuclides in organs and the whole body, and problems with treatments used at present.

The seven have been working on the guide book over the past three years, with the aim of publishing it within the next two years. With the second draft of the manuscript completed, the collaborators met at BNL to review and refine its six chapters. The book is being edited by George Gerber (third from left), of the CEC in Brussels, Belgium, and Robert Thomas (right), formerly with OHER at DOE and now with Argonne National Laboratory (ANL).

The other collaborators in attendance were: (from left) Neil Stradling, National Radiological Protection Board, Great Britain; Vladimir Volf, Institute for Genetics and Toxicology, Germany; Henri Metivier (standing), Institute of Radiation Protection and Nuclear Safety, France; and Bruce Muggenburg, Inhalation Toxicology Research Institute, New Mexico. Absent from the meeting was Maryka Bhattacharyya, ANL.

New Chairman for AUI Board

Val L. Fitch, who is the James S. McDonnell Distinguished University Professor of Physics at Princeton University, was elected Chairman of the Board of Associated Universities, Inc. (AUI), at the Board's annual meeting held at Brookhaven, October 16-17.

As the managing organization for both BNL and the National Radio Astronomy Observatory (NRAO), AUI alternates its Board and Executive Committee meetings among BNL, NRAO and its Washington, D.C. headquarters.

A physicist who shared the 1980 Nobel Prize in physics with James Cronin for their 1963 discovery of CP violation in an experiment at BNL's Alternating Gradient Synchrotron, Fitch succeeds Barry S. Cooperman of the University of Pennsylvania, who has completed his two-year term as Chairman.

Barbara A. Baird, Professor of Chemistry at Cornell University, was elected to a three-year term as an AUI Trustee. Baird's research interest centers on membrane biochemistry and includes the biophysical chemistry of immunological systems. She succeeds Mostafa A. El-Sayed of the University of California, Los Angeles, who has completed his tenure on the Board.

Both Fitch and Cooperman were among the seven Trustees reelected for three-year terms. The others were:

- Robert J. Birgeneau, Massachusetts Institute of Technology
- Michael E. Fisher, University of Maryland
- Ernest M. Henley, University of Washington
- Donald K. Hess, University of Rochester
- Aihud Pevsner, The Johns Hopkins University

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

First Full-Size SSC Magnet Passes Test Successfully

On Monday, November 11, BNL veterans of 23 months of hard work successfully operated the first full-size superconducting dipole magnet for the Superconducting Super Collider (SSC).

In this test, the 15-meter-long magnet reached the current-carrying capacity of the superconductor, generating a magnetic field of 7.4 teslas — significantly above the design field of 6.7 teslas.

The magnet was made by the Magnet Division of the Accelerator Development Department (ADD), as part of collaborative work with Fermi National Accelerator Laboratory, Lawrence Berkeley Laboratory, and the SSC Laboratory in Dallas. The cryogenic test facility was provided by the ADD Engineering Division.

Peter Wanderer, head of the Magnet Division's test group, explained that this phase of the SSC R&D program began nearly two years ago, when the SSC Laboratory decided to increase the magnet aperture to 50 millimeters. The first milestone in this phase came in December 1990, when a short model of this design was tested successfully.

The long magnet just tested is the first of seven dipoles scheduled to be built and tested at BNL during the current fiscal year. The first two are being built by Brookhaven staff. With instruction from BNL staff, Westinghouse personnel will build the last five, as part of a technology transfer effort.

Testing of this first full-size dipole will continue at BNL for about two weeks. As the magnets are successfully tested, they will be shipped to Dallas where some will be incorporated into the systems test of a string of magnets.

PRC Group Inspects ATF Linac



Peter Horton

At the Accelerator Test Facility (ATF), which is the centerpiece of BNL's Center for Accelerator Physics (CAP), electrons will be injected into a six-meter-long linac and accelerated from 4.5 million electron volts (MeV) to 50 MeV within the next few months. This linac was built by the People's Republic of China (PRC), under a cooperative high energy physics (HEP) program with the United States.

PRC members on the U.S.-PRC Joint Committee on HEP, which oversees that program, came to tour BNL on November 7 and 8 — and to inspect the PRC linac within the ATF accelerator in Bldg. 820. Their visit to Brookhaven followed a meeting at Lawrence Berkeley Laboratory, where the specifics of the cooperative HEP program for the coming year were discussed.

Standing in front of the PRC linac at the ATF are: (from right) Zhipeng Zheng, Deputy Director of the Institute of High Energy Physics of the Chinese Academy of Sciences (IHEP CAS); Guangzhao Zhou, Co-chairman of the U.S.-PRC Joint Committee on HEP and President of the Chinese Academy of Sciences; Hongxuan Yu, Assistant Director of the IHEP CAS; CAP Head Robert Palmer; BNL Associate Physicist Alan Fisher, ATF; Minghan Ye, the former director of the IHEP CAS and a visiting scientist in BNL's Accelerator Development Department; and President Zhou's daughter, a graduate student at the City College of New York.

Premuzic Commended by DOE

Following his presentation of the 273rd Brookhaven Lecture on October 24, Eugene Premuzic was surprised by a letter of commendation from the Geothermal Division of the Office of Renewable Energy Conservation of the U.S. Department of Energy. The letter was signed by the Division's Director, John Mock.

Premuzic, who is the Deputy Division Head of the Biosystems and Process Sciences Division of BNL's Department of Applied Science, is shown here (right) receiving the letter from Project Manager David Lombard of the Geothermal Division. In his lecture, Premuzic had spoken about his work in "Biotechnology Without Genetic Engineering: the Use of Microbial Processes."

(continued on page 2)



Roger Stouenburgh

David Lombard (left) and Eugene Premuzic

Recycling Facts

- Each month, BNL is recycling about three tons of plastic, cans and bottles, and 16 tons of paper and cardboard.
- The Lab landfills about 66 tons of solid waste monthly, including two tons of old tires.
- BNLeers are recycling about 23 percent of all waste that leaves the Lab, excluding construction debris.
- In addition, all BNL construction debris is delivered to a recycling contractor, where about 80 percent is recycled.
- When low-grade paper is incorporated into the recycling program, the Lab will then recycle more than 50 percent of its solid waste.

In Memoriam

Francis W. Drell, who had worked in the Instrumentation Division for 30 years, died on November 11. He was 53 years old.

Frank Drell joined BNL on March 7, 1961, as a junior technician, when the division was still known as Instrumentation & Health Physics. He rose steadily through the technical ranks, being promoted to intermediate technician in 1962, advanced technician in 1966, technician III in 1967, technician IV in 1972, technical specialist in 1974 and senior technical specialist in 1987. In Instrumentation, he was part of a team that fabricates printed circuit boards.

A resident of Yaphank, Frank Drell is survived by his wife Rose Marie and his daughter Christine.

Carl Glover, who retired from the Lab as a staff area supervisor in the Physics Department on June 30, 1967, died on October 21 at the age of 88.

Glover came to the Lab on July 5, 1949, as a technician A for what was then the Accelerator Project to develop the Cosmotron. He was promoted to a senior laboratory technician in July 1952.

In July 1953, he transferred to the then Experimental & Theoretical Division of the Physics Department. After being named associate technical specialist in January 1954, he was given his final title in July 1958.

Glover is survived by his wife Flora of Tavares, Florida.

Retiree Henry Sinning died on November 5 at the age of 65, following a long illness.

Sinning began his association with BNL on February 19, 1962 as a painter in what was then the Plant Maintenance Division and is now Plant Engineering. He was promoted to Painter A in August 1974.

He retired from the Lab on May 28, 1986, after being on long-term disability for a year.

A resident of Mastic, Sinning is survived by his wife Jerry. Contributions in his memory may be made to the Long Island Division of the American Cancer Society, 145 Pidgeon Hill Road, Huntington Station, NY 11746.

Equipment Demo

The IBM PS/2 Van will arrive in the Berkner Hall parking lot around noon today, November 15. The van holds a variety of IBM personal computers with the latest academic software. Demonstrations, literature and pricing, ordering and delivery information will be available.

Through December 31, BNL employees who wish to make personal purchases and take advantage of IBM's special promotional prices of about 50 percent off list prices can do so through The Computer Store at the State University of New York at Stony Brook.

Dinner Prizes for Clever Recyclists

If you've been an active recycler in BNL's recycling program, you should have no trouble matching these recyclables to their appropriate containers or other means of disposal (some items may match with more than one other item; see answers at end):

Recyclable	Disposal Method
a. white paper	1. raccoon-decorated cardboard box
b. low-grade office paper	2. tall white metal can
c. sensitive documents	3. yellow plastic pail
d. cardboard	4. shredder-baler
e. metal food cans	5. not part of program
f. computer paper	6. stacked and tied
g. glass food bottles & jars	

You probably knew right away that low-grade office paper — junk mail, window envelopes, previously recycled paper, colored paper, newspapers, hardcover books with covers removed, magazines, periodicals, FAX paper, NCR paper, non-metallic wrapping paper, etc. — have not been part of the current recycling program. But, said recycling program coordinator Nelson Tyler, Plant Engineering, "We anticipate expanding the program to include these papers early next year, and we need ideas as to how to incorporate them most effectively."

To encourage your input, the program is sponsoring a contest, which will have four winners, each receiving dinners for two.

Most work areas already have three recycling cans for various materials, and individuals have cardboard containers at their own workstations. So the recycling program needs your ideas for setting up still another collection station — for low-grade papers — with minimum crowding of the work environment. Other factors to consider are cost to implement and convenience to use.

To enter this contest, send your ideas to Nelson Tyler, Bldg. 326, by Friday, December 6.

Matches: a - 1, 2; b - 5; c - 4, d - 6; e - 3; f - 1, 2; g - 3.



Healthline Lecture

Heart Health and Disease

About five million Americans have coronary heart disease, and some 500,000 die each year from its most dreaded symptom — heart attack.

Encompassing heart attack, chest pain and arteriosclerosis, coronary heart disease results from insufficient blood supply through the coronary arteries, which supply the heart with blood. These arteries become narrowed usually as a result of atherosclerosis, the deposition of fatty plaque within the inner walls.

"Cardiovascular Disease: Prevention and Diagnosis" will be discussed at the next Healthline lecture, sponsored by the Health Promotion Program (HPP) of the Occupational Medicine Clinic. On Tuesday, November 19, from noon to 1 p.m. in Berkner Hall, the lecture will be presented by physician Steven Horowitz, Chief of the Cardiology Division at Beth Israel Medical Center, New York.

During his lecture, Horowitz will outline the hereditary and environmental risk factors of coronary artery

disease, as well as the benefits of lifestyle changes to reduce the more controllable risks.

Speaking from his experience with the only positron emission tomography (PET) scanner in the New York metropolitan area dedicated to cardiac clinical use and research, Horowitz will discuss the use of a PET scan as an accurate, noninvasive test for detecting coronary artery disease, selecting treatment options and providing effective early intervention.

Before coming to Beth Israel in 1988, Horowitz served as Director of Nuclear Cardiology and Stress Electrocardiography at Mount Sinai Hospital, New York. Today, he is also an associate professor of medicine at the Mount Sinai Medical School.

A fellow of the American College of Cardiology, Horowitz is a diplomate of the American Board of Internal Medicine and is certified in the cardiovascular disease subspecialty by the American Board of Internal Medicine.

To register for this Healthline lecture, return the bottom portion of the HPP flyer recently mailed to all employees to Health Promotion Specialist Mary Wood, Bldg. 490, before November 18.

For more information about the Healthline lecture series or the HPP, call Wood, Ext. 5923.



Steven Horowitz

Invader From Outer Riverhead

One Monday morning in September, Harvey Lotko, Accelerator Development Department, looked out of his office window in the Collider Center

and saw a brightly colored balloon coming down in the ring for the Relativistic Heavy Ion Collider (RHIC). "I grabbed my camera and went to see what was happening," he said.

Within minutes, BNL patrol officers arrived, and the balloon landed — with Lotko snapping several Polaroid photos of the event. The balloonists, who were from Riverhead, had run out of fuel and decided that the ring would make a reasonable air strip. Once down, they deflated the balloon, loaded it on to the trailer of a chase car that came to pick them up — and drove off.

Commented Lotko, "We're quite used to keeping out kids on motorbikes and other unauthorized visitors — but this is the first time that RHIC has been invaded by a hot-air balloon!"



Inside Info

Invited by the magnetism group of the United Kingdom Institute of Physics, Physicist Doon Gibbs, Leader of the X-Ray Scattering Group in the Physics Department, delivered the annual Wohlfarth Lecture at the September 6 plenary session of this year's International Conference on Magnetism, in Edinburgh, Scotland. His was the third Wohlfarth lecture given and the first by an experimentalist.

Asked to speak about x-ray magnetic scattering, Gibbs reviewed the results of recent studies in a variety of materials and discussed new directions in x-ray magnetic scattering studies of bulk materials, surfaces and multilayers that experimenters may take using existing and future generation insertion-device beam lines at synchrotrons, such as BNL's National Synchrotron Light Source (NSLS).

Performing most of his work at the NSLS, Gibbs focuses his research on x-ray scattering studies of magnetic materials and of the structure and phase behavior of surfaces. In 1985, Gibbs and three colleagues were given the Outstanding Scientific Accomplishment in Solid State Physics award by the U.S. Department of Energy for their early x-ray magnetic scattering experiments on holmium.

Gibbs came to BNL in January 1983 as an assistant physicist, was promoted to an associate physicist in 1984, named to the title he now holds in 1986, and became a group leader in June.

Suh Urk Chung, Senior Physicist and Leader of the Quark-Gluon Spectroscopy Group in the Physics Department, is the recipient of a Senior U.S. Scientist Award from the Alexander von Humboldt Foundation. The Humboldt award entitles him to an extended research stay in the Federal Republic of Germany.

On January 1, Chung will leave for the Physics Institute of the Johannes Gutenberg University in Mainz, Germany, where he will collaborate with Eberhard Klempt, the University of Mainz professor who nominated Chung for the award. Chung will spend part of the year at the high energy physics laboratory CERN in Switzerland, working on a crystal barrel experiment in search of exotic hadrons including glueballs and hybrids.

After coming to the Lab in September 1966 as a research associate, Chung was promoted to an assistant physicist in 1968, associate physicist in 1971 and physicist in 1974. He received tenure in July 1977, was named to his present title in October 1990, and has led his group since January 1991.

In existence discontinuously since 1860, the Alexander von Humboldt Foundation aims to promote scientific cooperation between scholars in Germany and other countries.

Premuzic

(cont'd)

Mock's letter noted:

For the past six years, I have followed and admired your research, conducted under the auspices of the Department of Energy's Geothermal Research program. . . .

The continuous biological processes that have been developed in your laboratories will remove toxic components from geothermal waste at modest cost, saving millions of dollars for electric power consumers who live in geothermal resource areas. . . .

As can be expected from such a basic scientific advance, your achievements are triggering new, previously unattainable applications, as underscored by the lively interest in your work from the mineral recovery, fossil fuel and waste-clean-up industries.

Totally Frivolous Bus Trip Planned



Can-can dancers, penguins and polar bears, children's toys, Fabergé jeweled eggs and Christmas decorations — these are a few of the frivolous things to be enjoyed on the BERA Art Society's bus trip to New York City on Saturday, December 7.

Toys, eggs and manuscripts will be found at the Forbes Magazine Art Gallery, followed by the fascinating sights at the tiny but great Central

Park Zoo.

Then the group will move on to the small, superb exhibition on Paris at the IBM Art Gallery, featuring works by Renoir, Toulouse-Lautrec, Picasso and others. From there, it's a step through Trump Tower onto Fifth Avenue to see Rockefeller Center all lit up for the holidays and wander around until the bus leaves at 4:30 p.m.

Bus tickets are \$15 each; the zoo is \$2.50 (over 65: \$1.25, ages 3-12: 50¢); and the art galleries are free.

The bus will leave BNL promptly at 7:45 a.m. from the farmers' market parking lot; return by 6:30 p.m.

Sign up now! If 36 tickets are not sold by December 1, the trip will be canceled. For information or to sign up, call Liz Seubert, Ext. 2346.

Microcomputer Club

The BNL Microcomputer Club will hold its regular monthly meeting on Thursday, November 21, noon to 1 p.m., in the second floor conference room of the Computing & Communications Division, Bldg. 515.

Irv Montanez and Frank Salzano will start a general exchange of information and experiences with the two new operating systems for IBM PCs, Microsoft DOS-5.0 and DR DOS-5.0 from Digital Research. All are invited to share experiences and materials.

3-on-3 Basketball Tournament

The BNL Basketball League's second annual Three-on-Three Tournament will take place in the gymnasium on two Thursdays, December 5 and 12, both at 5:30 p.m. Participants must be on-site BERA members who are able to play both evenings.

To play in this "two and you're out" tournament, a team must have three players on the court. The entry fee is \$5 per player on the roster.

To enter, submit roster and fees to the gym recreation office any weekday after 3:30 p.m., by Monday, December 2. Call the office also for information, Ext. 3147. All proceeds will go to the Basketball League.

Note to Employees:

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

ANS Meeting

Jim Miltenberger, Manager of Nuclear Safety Assessment at Pennsylvania Power and Light Company (PPLC), will talk about the PPLC and the World Association of Nuclear Operators visit to the Kursk Nuclear Power Station in the Soviet Union at the next meeting of the Long Island Section of the American Nuclear Society (LIANS) on Wednesday, November 20, at the Three Village Inn at Stony Brook, at 8 p.m.

Following cocktails at 6 p.m. and dinner at 7 p.m., the speaker will be introduced by Peter Kroeger of BNL's Department of Nuclear Energy, current president of LIANS. For reservations, call Kathy Ratto, Ext. 7250.

BROOKHAVEN BULLETIN

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Calling all Carolers

Plan to sing with the BNL Choral Group on Wednesday, December 18, at the Christmas special luncheon in the Cafeteria, and at one or two other places around the Lab site.

The first rehearsal will be Tuesday, November 26, at Berkner Hall, at noon sharp! Subsequent rehearsals will be on Wednesdays and Fridays, December 4, 6, 11, 13, and Tuesday, December 17, at Berkner Hall. Rehearsals must end by 12:45 p.m., so please be on time!

Singers are needed in all parts — soprano, alto, tenor and bass. For more information, call John Weeks, Ext. 2617, or Janet Sillas, Ext. 2345.

Software Courses

Iotech Workshop

RTI Incorporated will offer a free Iotech workshop, "Software Techniques for Developing Test Systems," on Tuesday, November 19, in Berkner Hall, Room C. Identical sessions will be held at 9:30 a.m. and 1:30 p.m. Call RTI, 829-3770, to register. Walk-ins will be accepted to capacity.

AutoCAD Training

The CAD/CAM Group of the Computing & Communications Division will offer basic training in design and drafting using the AutoCAD design system. Class size is limited and reservations are required. For more information, call Chris Neuberger, Ext. 4160.

The Early Pledge Gets the Prize



The first early pledge card drawing for this year's BNL United Way fund drive was held last Monday — thanks to prizes from Associated Universities, Inc.; Local 2230 IBEW; Local 8-431 OCAW; and LIGU Local 37.

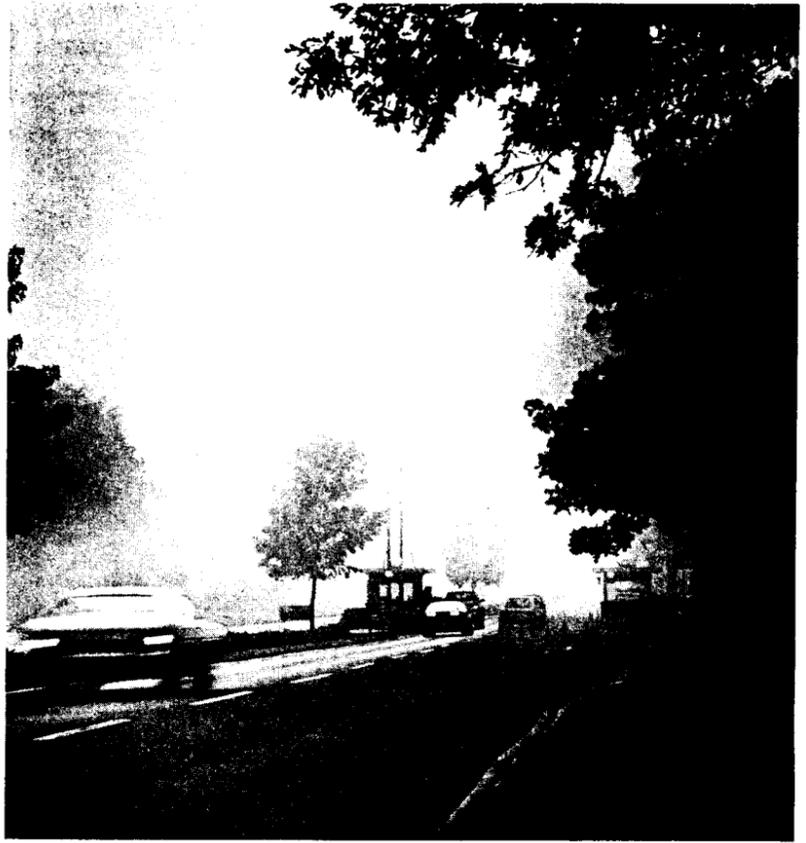
Pictured here with Fund Drive Coordinator Mike Hurley (left) are some of the lucky winners of dinners-for-two or gift certificates: (from left) Lois Marascia, Nuclear Energy; Lori Bower, Safety & Environmental Protection; Dave Kirby, Physics; Alan Mirell, Plant Engineering; and Michelle Cummings, Management Information Systems. Other winners were Margaret Appleby, Contracts & Procurement; Richard Morante, Nuclear Energy; and Joyce Tichler, Applied Science.

So far, donations from 676 generous BNLeers have totaled \$82,704 — with 85¢ of each dollar going directly to the 147 human service agencies supported by the United Way, to help Long Islanders in need.

Your contribution makes a difference, no matter what you give. Don't forget, to take part in the grand end-of-the-drive drawing for more dinners and a complete theater weekend for two in New York City, today is the last day to send in your card.

For further information, call Mike Hurley, Ext. 7400.

Memories of a Misty Morning



Photographer Roger Stoutenburgh captured this enchanting view recently at the main gate.

Hospitality News

Marion Davis-Parzen will conduct the Women's Forum on Tuesday, November 19, from 10 a.m. to noon, in the lounge of the Recreation Building in the apartment area.

The group meets every third Tuesday of the month to discuss women's issues and to share experiences and concerns. Wives of Lab employees and guests are welcome. Come and bring the children.

Amateur Radio Club

The regular monthly meeting for the Amateur Radio Club will take place on Thursday, November 21, at noon in Berkner Hall. One of the topics on the agenda will be nominations for club officers for 1991.

All Lab employees, guests and licensed radio amateurs are invited. For information, call Andy Feldman, Ext. 3264, or Gary Utz, Ext. 3580.

Preschool Bake Sale

If you have a sweet tooth for home-baked goods, come to a bake sale sponsored by the Upton Preschool. It will take place on Thursday and Friday, November 21 & 22, from 11:30 a.m. to 1:30 p.m. in the lobby of Berkner Hall.

Proceeds from the sale of cookies, brownies and cakes will be used to help defray the program costs of the Upton Preschool, which is a non-profit, parent-cooperative school held three mornings a week for three- and four-year-old children. For more information about the Upton Preschool, call its president, Cathy Lombardo, 924-2205.

P-CAD User Group

The next P-CAD User Group meeting will be held on Friday, November 22, at 9:30 a.m., in the seminar room of Bldg. 515, Computing & Communications Division. Discussion topics will include release 5.0, BNL users' library, accessing on-line libraries and future plans for P-CAD 6.0.

Coffee will be served, and all are invited to attend. For more information, call Pam Mansfield, Ext. 7286.

Volleyball

Standings as of November 6

Open League		League I	
Magnum	9-0	Network News	8-1
GTeam	5-4	Upfagabs	8-4
Phoenix	5-4	Rude Dogs	6-3
Penetrating VOLLIES	3-6	Dinkers	6-6
Leftovers	3-6	Six Pack Attack	4-5
Me and the Boys	2-7	Setups	4-5
		Bump and Sets	0-12
League II		League III	
Net Wits	9-0	Renegades	8-1
Mon. Night Live	9-0	High Volley'em	7-2
Nuts and Bolts	4-2	Over the Top	6-3
Night Court	4-5	Nutcrackers	5-4
Fossils	3-3	Good Timers	4-5
Upton Up	3-6	Sourcerers	2-4
Muffits	2-7	Interns	1-5
Volley of Dolls	1-5	Undertakers	0-3
Just Up	1-8	Silver Bullets	0-6

Thursday, November 21

AMERICAN
CANCER
SOCIETY

GREAT AMERICAN
SMOKEOUT



Arrivals & Departures

Arrivals

Arlene L. Carlson Plant Eng.
Edouard Kistenev Physics
Thomas K. Shea Accel. Dev.
Linda G. Siders Accel. Dev.
James N. Vaz Saf. & Env. Prot.

Departures

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

Deming Xi Physics

Bowling

Red/Green League

A. Warkentien had a 233, H. Arnesen 227/223/200/650 scratch series, K. Asselta 225/212/627 scratch, T. Prach 224/200/602 scratch, C. Scarlett 222, R. Eggert 216, R. Larsen 214, R. Wells 212, W. Powell 206, R. Wiseman 206, J. Muller 205, H. Dawson 204, N. Carter 200, M. Palumbo 200.

White League

Elaine Zukowski had a 229, Joe Mayeski 220, Georgia Irving 185, Sue Cataldo 180.

Purple League

Phil Raduscwicz had a 232/222/612 scratch, Andy Warkentien 229, Caryl MacDougall 213/203, Rich Scheidt 210, Pete Stelmaschuk 210, Kathy Griffin 186, Diane Lombardi 182, Betty Jellett 181 and converted the 6/7/10 split, Mary Ellen Hubner 180.

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.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees only.

DD 0840. SECRETARIAL POSITION - Requires AAS in secretarial science or equivalent and excellent oral and written communication skills. Will provide secretarial support to the Protein Data Bank and carry out editorial functions associated with acceptance and processing of data submissions. Word-processing experience desired. Chemistry Department.

MK 0669. SPECIAL ASSISTANT TO THE ASSOCIATE DIRECTOR - Reports to the Associate Director for Administration (ADA). Responsibilities include, but will not be limited to, the development and implementation of those policies and procedures under the jurisdiction of the ADA, and functioning as a key assistant to the ADA in carrying out specific, assigned responsibilities. Will act as liaison between the ADA and organizational units reporting to the ADA. Performs studies, acts as liaison on special studies/projects and provides or responds to requests for information from all levels within the Laboratory, as well as the DOE and other outside organizations. Will be given considerable latitude and responsibility in carrying out assigned functions, and therefore must be highly motivated, possess a high degree of initiative, professional judgment, and independent thought. Requires a bachelor's/master's degree in an appropriate discipline, excellent analytical and communication skills, and technical competence in administrative functions. Extensive knowledge of Laboratory operations and BNL and DOE policies, procedures and practices highly desirable. Director's Office.

OPEN RECRUITMENT - Opportunities for Laboratory employees and outside candidates.

DD 6444. 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.

LF 5081. TECHNICAL POSITION - Requires a BSET or equivalent knowledge in electrical technology with some experience in fabrication and repair of analog and digital equipment. Must be able to use various test equipment and work from schematics, drawings, rough sketches as well as verbal instructions. Responsibilities include the fabrication, testing, repair and maintenance of high-current power supplies at circuit and system level. National Synchrotron Light Source Department.

LF 8056. PROGRAMMING POSITION - Requires a BS in a scientific discipline or equivalent and experience in computer programming on several different platforms with a background in basic physical, chemical or biological sciences. Knowledge of writing device drivers under VMS and in system management of VMS and UNIX systems is highly desirable. Responsibilities will include

writing and maintaining FORTRAN code in an X-window environment on both VMS and UNIX platforms as well as interacting with visitors to the Biology Department's experimental facilities. Biology Department.

LF 8055. BIOLOGY ASSOCIATE POSITION - Requires a BS in biochemistry, biophysics or molecular biology. Will assist in molecular biology research on the influence of DNA configuration on mutagenicity involving gels, DNA sequencing, and microbiological measurement of mutations. Biology Department.

Motor Vehicles & Supplies

91 JEEP WRANGLER "S" - 4-cyl., full off-road pkg., many extras, black w/yellow trim, must sell. Victor, Ext. 4424 or 737-6517.

87 MAZDA B2600 4x4 PICKUP - 37k mi., custom wheels, lifted, alarm sys., fiberglass cap, extended warr., \$6,500. 369-2716.

86 FIERO - ac, 4-sp., 6-cyl., cass., moonroof, alarm, 80k mi., \$2,600. 924-4128 after 5 p.m.

86 HONDA ACCORD - 5-sp., sedan, metallic blue, ac, new tires & brakes, alarm, Sony stereo, 4 speakers, \$5,500. Ext. 5919 or 722-3010.

86 MAZDA RX7 GXL - low orig. mi., leather, alarm, clean, perfect running cond., \$6,500. 744-4611.

85 TRANS AM - T-top, p/w, p/m, p/b, recl. bucket seats, \$3,000 firm. Bob, Ext. 4446 or 796-4322.

85 MITIS PICKUP - 74k mi., good body, great gas mileage, clean int., 5-sp., new brakes, must sell, moving, \$1,800. 878-1577.

85 DODGE RAM 50 - roof rack, tool bin, 55k mi., ask. \$3,700. Roger, Ext. 2382 or 734-5114 after 6 p.m.

84 BUICK CENTURY - beige, a/t, V-6, 3.0 liter, ac, p/b, p/s, p/d, leather int., 924-2430 after 8 p.m.

84 CHEVY S-10 PICKUP PARTS - bed w/taillgate & lights, \$150; other parts: cab, door, 5-sp., etc. Tom, Ext. 4507 or 878-1060.

83 CELICA GT - 5-sp., ac, am/fm cass., p/l, p/w, p/s, more, 113k mi., v.g. cond., asking \$2,500. Paul Michael, Ext. 2264.

83 RELIANT WAGON - excel. cond., first \$1,000 takes it. Roger, Ext. 2382 or 734-5114 after 6 p.m.

83 CONTINENTAL MARK VI - 2-dr., gray, leather int., all power, excel. cond., \$4,000. Al, Ext. 2075 or 281-6617 after 6 p.m.

82 VW RABBIT - 90k mi., runs well, body damage, \$150. Hong, Ext. 2919.

81 HONDA CIVIC - h/b, 5-sp., runs very well, \$495. H. Sauter, Ext. 3783.

80 CHEVY MONZA - s/t, runs well, needs valve-cover gasket, new muffler & master cyl., \$800. Carol or Frank, 399-3446.

80 DODGE OMNI - a/t, good running cond., some rust, orig. 84k mi., ask. \$475. Ext. 3172 or 878-1731.

79 CHEVY PICKUP - 4wd, w/cap, needs work, best offer. Jim, 288-1454 or 325-8714.

79 STATION WAGON - in running cond., needs battery, has flat tire, you take care of it, \$150 or bet offer. Ext. 3583.

78 OLDS CUTLASS SUPREME - 2-dr., V-8, p/s, p/b, new radiator, exhaust, battery, body fair, runs well, asking \$650. Tony, Ext. 7214 or 423-9750.

77 BUICK REGAL - 8-cyl., a/t, ac, am/fm, good mech. cond., great snow car, \$470. Jack, Ext. 4037.

71 BRONCO 4x4 - runs well, new tires, snow plow available, \$875; snow plow, power angle, 6', left/right up/down power controls, \$575. Ext. 7702.

67 SHASTA CAMPER - 15', gas stove, sink, refrig., propane tank, sleeps 6, excel. cond., asking \$1,400 or best offer. Kathie, 728-3430.

64 CHEVY BISCAYNE - 2-dr., 6-cyl., \$500. Dan, Ext. 7271.

62 JEEP CJ5 - runs, many extra parts, asking \$700. Mark, 744-3383.

31 CHRYSLER - 2-dr., rumble seat, all orig., excel. cond., ask. \$8,000. Rosalie, Ext. 3160 or 289-5704.

PARTING OUT - '80-'81 Toyota Tercel, all parts, reasonable, new rebuilt 1-AC engine, \$350 complete. Bill, Ext. 4312 or 261-6498.

AUTO MAGAZINES - 650+, from the '70s to present, make offer. Roy, Ext. 7357.

RIMS - 4-lug, Toyota, \$10 ea. Jim, Ext. 3372 or 821-0250.

SUN SHADE - louvered, fits hatch for Plymouth Turismo, TC3 or similar, \$20. Morris, Ext. 2366.

TIRE - & rim, new, Goodyear Corsa GT, P185/70R14, best offer. Len, Ext. 4102.

Furnishings & Appliances

COUCH - Ethan Allen, 7', excel. cond. 325-0447.

DINETTE SET - Formica, dark pine, 5 chairs; country wood bar w/4 stools, best offer. 924-5062.

DINING ROOM - dark pine table, chairs, hutch, \$450 or best offer. John, Ext. 3675 or 924-3528.

FREEZER - United, upright, \$100. Phil, 732-8124.

HIGH RISER - \$75; drapes, brown, sheer, 2-pair triple 1-pair single 84", \$50. Lorraine, 289-0876.

OTTOMAN - Castro, 2 foam chairs, all become beds, \$55 & \$30/ea. H. Martin, Ext. 7761.

PEDESTAL TABLE - oak, excel. cond., \$100. Sue, Ext. 2888.

REFRIGERATOR - Sears Coldspot, 14 cu. ft., frost-free, works well, needs paint, \$100. Marcia, Ext. 7796.

SOFA - Rowe, gray, contemp., w/chaise, like new, \$725. 821-2886.

WALL OVEN - Caloric, \$50; stove top, \$20; Kitchen Aid dishwasher, old, \$20; two 36" storm doors, w/screens, \$15/ea. Roy, 928-0466.

VACUUM - Electrolux, upright, w/attach., won but never used, \$300. Jeanne, Ext. 7742.

VALANCES - 2, pink, ¾ length, \$60; curtains, kit. or bdrm., 8 sets, \$30/set; curtain rods; 24"x36" picture frame; wicker fans, etc. Angela, Ext. 7321.

WASHER - GE, heavy-duty, used, good cond., you pick up, \$100. Chris, Ext. 3355.

Tools, House & Garden

FIREPLACE - freestanding, globe-shape, burnt orange enameled top, flat black bottom & stove pipe, like new, make offer. 473-7667.

FIREWOOD - seasoned, hardwood, split, delivered locally, \$125/cord. Glenn, 924-2035.

HEATER - Coleman, kerosene w/carburetor control, 6" exhaust, excel. cond. Frank, Ext. 3120.

WINDOW - bay, 7'7" x 4'4", w/storms, \$100 or best offer. John, Ext. 3675 or 924-3528.

Sports, Hobbies & Pets

ALASKAN MALAMUTE - AKC, 4 yr. old, male, gentle giant, needs fenced yard, incl. large crate, \$250. 744-5036 eves.

AFRICAN CICHLIDS - frontosa, lions cove, maswa, tropheous, wholesale prices. Roy, Ext. 7357.

BEAGLE - AKC, 1 yr. old, all shots, housebroken, affectionate, needs good home. Ray, Ext. 3680.

CAMERA - Contax-T, Nikon, 80-200mm lens; Nikon 28-55 lens; Minox C ultra-miniature, extras, all mint cond. Ext. 2482.

COMICS - Hulk, Captain America, Spiderman, Thor, Fantastic Four, more from the 70s. 474-3799 afternoons.

FISH TANK - 29 gallon, filter, all accessories, orig. \$200, sell for \$100. Phil, 732-8124.

FISH TANKS - 50 gallon, complete setup, \$150; 30 gallon, s/s full hood; 1 fluorescent & 2 incandescent sockets, \$15. Roy, Ext. 7357.

SKIS - K2, 165cm, poles, 280 Tyrolia bindings, 9-9½ Caber boots, \$100. Mike, Ext. 7941.

SKIS - DYNAMIC VR20, 160 cm, Tyrolia 280 bindings, poles, excel. cond., \$75; ski racks w/rain gutter mount, \$15. Joann, Ext. 5671 or 472-6742.

WEIGHT STATION - Universal, Marcy 1, orig. \$1,500, asking \$1,000. 345-2634 after 5:30 p.m.

WEIGHT BENCH - Weider, brand-new, w/butterfly pressing & leg lifting. Frank, Ext. 3120.

Audio, Video & Computer

ALBUMS - jazz, rock, progressive disco, classical, popular, mostly new, \$5/ea. 474-3799 afternoons.

CAR STEREO SYSTEM - Concord CX-50, 35 W/channel, 100W preamplifier, 2-pile base speakers, 9½"x11", orig. \$1,500, sell for \$500. Tim, 281-7873.

COMPUTER - Commodore 64 w/Star NX10 printer, 14" color mon., modem 300, 1541-11, floppy, more, neg. Ext. 2877 or 289-8428.

LP RECORDS - Boston & Chicago Symphonies, conductors Ormandy, Ozawa, Munch, etc., some never used. Janet, Ext. 2345 or 929-3910.

MAGAZINES - Profiles, for Kaypro users, asst. yr. 1985-88, \$1/ea. or \$6/dozen. Susan, Ext. 7647.

NINTENDO GAMES - very cheap. Mike, 369-9508.

PRINTER - Panasonic KX-10921, 3 yr. old, excel. cond., asking \$120. Pete, Ext. 7955 or 929-3847.

TV - color, Sylvania, 19", good cond., \$75. Ext. 2041.

TV - b&w, GE, 13", \$10; Goodyear tires, 205/75R14, slightly worn on sides, \$10/two. Joann, Ext. 5671 or 472-6742.

Miscellaneous

BREATHALIZER - hand-held, battery-operated, accurate, new \$100, now \$60. Celeste, 878-4356.

CHRISTMAS TREE - Mountain King, 7' scotch pine, used once, must sell, orig. \$150, sell for \$50. 757-5338.

CHRISTMAS TREE - 6', used once, \$15. 929-4701.

DESIGNER FRAGRANCES - women & men, Poison, Drakkar, Eternity, more, 3.3 oz., \$25. Lou Pergola, Ext. 3499 or 732-1028.

SHOES - men's wing tip, size 10, brand-new, brown, leather soles, \$20. Joe, pager 0925 or Ext. 2898.

TYPEWRITER - \$10; Samsonite woman's 3-piece luggage, \$40; army wooden 1942 footlocker, \$25; shadow box mirror, 43½" h x 55½" w, \$40. 878-6637.

WOOL COAT - Herve Benard, woman's, black, size 12-14, like new, orig. \$450, sell for \$65. Chris, 744-6874.

Free

BLACK LAB - 1 yr. old, loves kids, needs good home, moving, cannot keep. Mike, Ext. 3981 or 732-9324.

SHIH TZU - female, small, nice pet, 2 yrs. old. Dick, Ext. 4313 or 722-4094.

Yard & Garage Sales

CENTER MORICHES - 11/16, 9 a.m. - 3 p.m., Saturday, 3-family, assorted items, clothes, 10 Red Bridge Rd.

Car Pools

MORICHES - need ride, 7 a.m.-3:30 p.m. 878-0744.

STONY BROOK, STRATHMORE - Morris, Ext. 2366/4192 or Jag, Ext. 5080.

Lost & Found

LOST - Golden retriever, female, 1½ yrs. old, blue collar, E. Moriches, brokenhearted 4 yr. old misses her. Ext. 7192 or 874-2614.

LOST - keys in gym, evening of 10/23. Steve, Ext. 7570.

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

CENTER MORICHES - 2½-rm. second floor apt., priv. ent., single or couple, no pets, nice area, near shops, trans., \$475/mo. includes all. Lois, Ext. 4904.

MIDDLE ISLAND - share townhouse, master bdrm., walk-in closet, furn., w/d, pool, tennis, \$450/mo. includes all, avail. 12/10. 289-5704.

NORTH SHIRLEY - 1-bdrm. apt., full bath, large l/r, large kit., priv. ent., 1st floor in new hi-ranch, \$650/mo. includes all. 399-3950.

PATCHOGUE VILLAGE - 2-bdrm. house, convenient location, nice area. 475-9083 after 6 p.m.

PORT JEFFERSON STATION - 1-bdrm. walk-in apt., ac, own heat, hot water, priv. house, \$600/mo. includes all. 473-9180. Bob, Ext. 2309.

RIDGE - furn. studio apt., private, fenced-in yard, kitchen, bath, 5 min. to Lab., \$500/mo. 744-8632.

RIDGE - immaculate 2-bdrm. condo, w/d, dw, w/w, 5 min. to Lab, avail. 12/1, \$750/mo. Ext. 3392 days or 878-6016 eves.

SHIRLEY - 2½-rm. apt. for employed nonsmoker, priv. driveway & ent., quiet surroundings, 1 block off Wm. Floyd Pkwy, \$450/all. 281-6263.

SHIRLEY - 3 bdrm., 1 bath, eik, deck, quiet area, near bridge, \$825/mo. + util. 757-1973 or 286-3281.

S. JAMESPORT - 1-bdrm. cottage, l/r, eik, bat porch, partial furn., near beach, 25 min. to La. no children/pets, \$450/mo. + util. Walt, Ext. 2907/2241 or 698-0576 wkends & eves.

SPEONK/WESTHAMPTON BEACH - 2 bdrm., 1½ baths, cac, patio, approx. 1000 sq. ft., skylights, all appl., fully furn., 20 min. to Lab, \$875/mo. + sec. Rich, Ext. 4834.

WADING RIVER - 3-bdrm. hi-ranch, 2 baths, 2-car gar., 1 wooded acre, 10 min. to Lab, appl. incl., country living, move-in cond. 751-4098.

WADING RIVER - 2-bdrm. apt., full bath, l/r, kit., priv. ent., priv. drive, 10 min. to Lab, no pets, single preferred, \$650/mo. incl. all. John B., Ext. 4028.

WESTHAMPTON - 1-bdrm. condo, nice area, all appl., 20 min. to Lab, \$625/mo. Dick, Ext. 4313 or 722-4094.

SPRING HILL, FL - winter or longer rental avail. in planned community, 2-bdrm. house on 1/3 acre, lawn maint. provided, Florida's west coat, \$350/mo. + util. Ext. 4530 or 261-2719 anytime.

ELKA PARK, HUNTER, NY - 3 bdrm., 3 baths, loft, fp, jacuzzi, furn., ski Hunter, Windham, Cortina, \$8,000 + util. Nov.-Apr., or monthly. Phil, 732-8124.

KITTY HAWK, NC - 2-bdrm. condo, sleeps 6, walk to guarded beach, golf, fishing, horseback riding nearby, VCR, cable, fully furn., \$400/wk. Jeanne, Ext. 7742 or 281-7568.

HILTON HEAD, SC - 2-bdrm. condo, sleeps 6, fully furn., 2 baths, tennis, beach, golf nearby, Oct.-Dec., \$350/wk. Guy, Ext. 3147 or 689-5378.

For Sale

CENTER MORICHES - 4-bdrm. Col., lg. l/r w/tp, d/r, eik, TV rm., laundry rm., 1½ baths, full bsm't deck, att. gar., quiet, walk RR, shop, 10 min. to Lab, 100'x150', \$189,000, neg. Marilyn, Ext. 2259.

CORAM - Strathmore East, 4-bdrm. ranch, 2 baths, cathedral l/r, 2-car gar., gas heat, fenced corner lot, \$120,000. Ext. 3791 or 928-7154.

EAST MARION - 1-acre bldg. lot adjacent to Greenbelt, walk to Sound. 325-0447.

HOLBROOK - 4-bdrm. ranch, l/r, d/r, eik, full unfin. basement, w/w, deck, fenced yard, ¼ acre, \$119,900. Ext. 3809 or 588-9019 eves.

MIDDLE ISLAND - Coventry Manor, 3-bdrm. townhouse, 2 baths, kit., l/r, d/r, cac, 5 appl., encl. patio, pool, new carpet, ask. \$102,000. Rosalie, Ext. 3160 or 289-5704 after 5 p.m.

MIDDLE ISLAND - 3-bdrm. ranch, eik, den, d/r, l/r w/bay window, 1½ baths, screened porch, patio, full bsmt., wooded ½ acre, cul-de-sac, \$124,900 neg. 924-6051.

RIDGE - 3-bdrm. Colonial, att. gar., 1½ baths, wooded area, brick fp, 16'x18' porch, tool shed, 5 min. from Lab. Robin, Ext. 5589.

RIVERHEAD - 3-bdrm. modular home, 2 baths, eik, laundry, l/r, w/w, cac, adult park, perfect for retirement, 5 min. drive to golf, Indian Island, ask. \$46,500. 878-8123.

SHOREHAM - 4-bdrm. Cape, attach. 2-car gar., 2 fp, 1½ baths, d/r, 1-acre treed lot, new appl., extras, estate, must sell. Vi, Ext. 5169 or 744-6043.

SHOREHAM - 3-bdrm. ranch, SWRS, low taxes, 2 baths, ½ acre, large eik, d/r, l/r, den, fp, large storage rm., ac, gas heat, all appl., igs, \$145,000. Ext. 2833 or 744-7172.

SOUND BEACH - 3-bdrm. ranch, 2 baths, l/r, eik, d/r, gar., cedar deck, app, fenced yard, rental income, Miller Place Schools, \$130,000. 821-127

SPEONK/WESTHAMPTON - 2-bdrm. 1987 Liberty Mobile Home, w/d, 10'x10' shed, bay window in l/r, assum. mortgage, \$38,000. Dave, Ext. 5460.

SPEONK/WESTHAMPTON BEACH - 2 bdrm., 1½ baths, cac, balcony, approx. 1000 sq. ft., skylights, 20 min. to Lab, must sell, \$129,500. Rich, Ext. 4834.

WADING RIVER - 4-bdrm. contemp., den, 2½ baths, fin. bsmt., 7 skylights, balcony, ¾ acre, 2-car gar., taxes, \$2,000. Shoreham schools, fp, Andersen windows, \$235,000. John, 929-8142.

WESTHAMPTON BEACH - 5 bdrm., 2 baths, kit., l/r, d/r, screened porch, 2-car gar., attic, ½ acre, \$230,000. Barbara or Jim, 288-2143 after 5 p.m.

HUBBARDTON, VT - 38 deeded acres on town-main. road, power, phone, largely wooded, views of Lake Bomoseen, ask. \$32,500 neg. terms avail. Tom, Ext. 2823.

Wanted

BABY-SITTER - for 2 children in my home, Center Moriches area, full time, M-F. Lori, Ext. 3046 or 874-8839.

HOUSEMATE - C.