BROOKHAVEN BULLETIN
Vol. 46 - No. 49 December 18, 1992
BROOKHAVEN NATIONAL LABORATORY

# Season's Greetings

# Distinguished R&D Awards Go to Five BNL Scientists

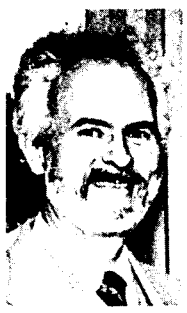
This past Monday, December 14, the five Brookhaven scientists named below were honored as recipients of the Laboratory's Distinguished Research & Development Award. BNL Director Nicholas Samios presented each of the five with a check for $5,000, before taxes, and an engraved memento.

The highest of the four types of awards in the Employee Recognition Program, the Distinguished Research & Development Award recognizes distinguished contributions, over a period of one or more years, to the Lab's research and development (R&D) mission. Summaries of each recipients' contributions are given here, and greater detail will be provided in the Bulletin of January 8.

**Per Bak, Senior Physicist, Physics Department,** has done pioneering work on the phenomenon of self-organized criticality. This recognizes that many large dynamical systems can organize themselves into a critical state of equilibrium in which a small perturbation can produce either small, large or devastating effects.

**Krsto Prelec, Senior Physicist, Alternating Gradient Synchrotron Department,** is a world-renowned expert in the R&D of ion sources. His contributions in this field and to accelerator physics have had a major impact on the design and construction of beam preinjector systems for high-energy accelerators over the past 20 years.

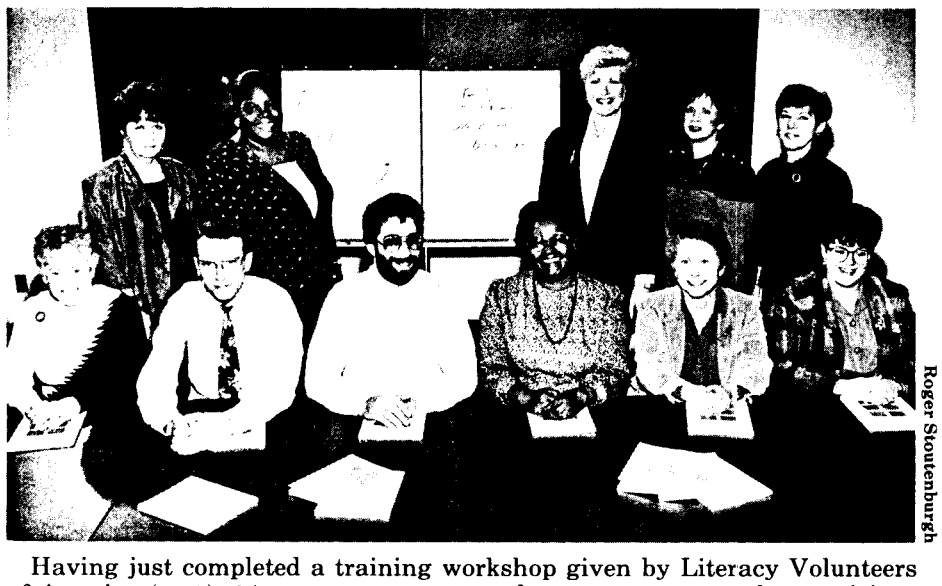
**Masaki Suenaga, Senior Metallurgist, Department of Applied Science,** was honored for his materials science research and engineering of superconducting materials, especially niobium-tin. His work has found practical application in composite wires and tapes, for use in high-field magnets and power-transmission lines.



**Peter Takacs, Physicist, Instrumentation Division,** has made significant contributions to the metrology of mirror surfaces. He has developed techniques and instrumentation for characterizing x-ray mirrors used at synchrotron radiation sources, benefiting experimentalists and mirror manufacturers worldwide.

**Joseph Wall, Senior Biophysicist, Biology Department,** has shown international leadership in developing the scanning transmission electron microscope (STEM) as a powerful probe for structural biology, establishing and maintaining a highly productive STEM user facility at BNL, and improving and increasing the facility's state-of the-art capabilities.

# *Literacy Volunteers of BNL*



Roger Stoutenburgh

Having just completed a training workshop given by Literacy Volunteers of America (LVA), 14 BNLers are now ready to tutor any employee, visitor, guest or spouse in basic reading. For those interested, tutoring is free, individual, private and confidential.

The 14 new reading tutors include: (standing, from left) Jackie Mooney, Physics Department; Frances Ligon, Office of Equal Opportunity; Marilyn Pandorf, Personnel Division; Lydia Lever, National Synchrotron Light Source Department (NSLS); Eileen Pinkston, NSLS; (seated, from left) Jean Byrne, Staff Services Division; James Teahan, Division of Contracts & Procurement; Mitchell Sussman, Safety & Environmental Protection (SEP) Division; Barbara Kponou, Instrumentation Division; Janice Lamb, Director's Office; and Katherine Vivirito, Technical Information Division (TID). Missing from the picture are: Rose Almasy, TID; Kathryn Kolsky, Computing & Communications Division; and Robert von der Linn, SEP.

If you or anyone you know wants to learn to read or become a better reader, to arrange for tutoring, call Marilyn Pandorf, Ext. 5251; Frances Ligon, Ext. 3709; or the local LVA office, 286-1649.

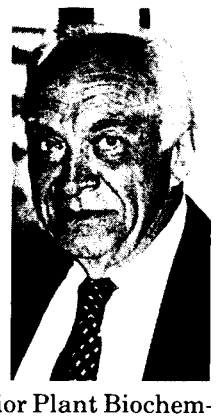
# *Tour Includes Magnet Factory*

From Department of Energy (DOE) headquarters in Washington, D.C., Robert Simon, Principal Deputy Director of the Office of Energy Research, and Thomas Heitman, Special Assistant to the Director of the Office of Nuclear Safety, visited BNL in October.

After an overview of the Lab from BNL Deputy Directory Martin Blume and Carson Nealy, Manager of DOE's Brookhaven Area Office, Simon and Heitman reviewed safety and environmental issues with M. Sue Davis, BNL Associate Director for Reactor, Safety & Security, and Robert Casey, Head of the Lab's Safety & Environmental Protection Division. Then, they toured the National Synchrotron Light Source and the Relativistic Heavy Ion Collider (RHIC) Project, including the Bldg. 902 Magnet Factory. There, Simon (left) discussed the development and testing of full-sized, 9.7-meter RHIC dipole magnets with Peter Wanderer, head of the Project's Magnet Test & Measurement Section.

Roger Stoutenburgh

# In Memoriam



**Harold W. (Bill) Siegelman**, a Senior Biochemist in the Biology Department, died of lymphoma on December 3. He was 72.

After arriving at BNL in July 1965 as a Plant Biochemist, Siegelman became Acting Chairman of the Biology Department in 1969, then Chairman, 1970-74. In 1973, he was named Senior Plant Biochemist, becoming Senior Biochemist in 1975.

Siegelman's primary research interest was in the colored proteins that gather and use light energy in plants. Before coming to BNL he did pioneering work on phytochrome, a protein that triggers the responses of plants to changes in day length.

Much of his work at BNL was concerned with the structure and properties of phycobilisomes, a system to funnel light energy into photosynthesis in blue-green algae, and the carotenochlorophyll proteins of dinoflagellate algae. He also worked on algal toxins and, more recently, phages that infect cyanobacteria.

Remembering Siegelman, Richard Setlow, Associate Director for Life Sciences, said, "My office was next to Bill's. He was always enthusiastic about his own laboratory work — work that he took great joy in doing until he was hospitalized. Moreover, he was extraordinarily generous in lending equipment, setting it up and in sharing techniques and ideas."

Siegelman is also remembered by Bill Studier, the present Chairman of the Biology Department: "Bill was a helpful and generous friend who freely shared his enthusiasms, whether for science, gardening, computers, or finding the best bargains in restaurants. He gave a lot to this Department in many ways, and we will miss him."

Bill Siegelman, who was a resident of Stony Brook, is survived by his wife, Anne, and their daughter Lynn and son Richard.

•

Retired Technical Specialist **John F. Donnelly** died suddenly on October 9, at the age of 64. He began his 34-year Lab career on October 22, 1956, as a technician B at the accelerator project of the day, the Cosmotron. Donnelly retired on December 31, 1990, from the Accelerator Development Department. Having resided in Rocky Point, Donnelly is survived by his wife Rose, daughters Sharen, Heather and Erin, mother Ellen, and sister Margaret Doherty. Contributions in his memory may be made to the American Lung Association.

# *NRC Thanks Weiss for Annual Effort*

Roger Stoutenburgh

Every year since 1985, Allen Weiss (second from left), Administrative Technical Assistant in BNL's Department of Nuclear Energy (DNE), has coordinated the annual Water Reactor Safety Information Meeting for the U.S. Nuclear Regulatory Commission. For this Washington, D.C.-based meeting, some 500 nuclear scientists from all over the world gather annually to report on the past year's research on reactor safety. With this year's meeting, held in October, Weiss concluded his annual organizational efforts — and earned a Certificate of Appreciation from the NRC, which was presented to him by Eric Beckjord (second from right), Director of the NRC's Office of Nuclear Regulatory Research, during a recent visit to BNL. Also on hand were DNE Deputy Chairman Robert Bari (left) and Brian Sheron, Director of the NRC's Division of Systems Research.

# Holiday Notes

*The Lab will be closed for a half day on Christmas Eve, Thursday, December 24, and the entire days on Christmas, Friday, December 25, and New Year's Day, January 1. The following schedules will be in effect.*

• **Brookhaven Bulletin** — There will be no Bulletin next week, but a two-page Bulletin will be distributed on Thursday, December 31. The classified ad deadline for that issue is 4:30 p.m. on Wednesday, December 23; the deadline for other submittals is noon on Monday, December 28. The classified ad deadline for the next issue, on January 8, will be 4:30 p.m. on Thursday, December 31.

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

• **Food Services** — The **Cafeteria** will be open for snack bar service from 7:30 a.m. to 12:30 p.m. on Christmas Eve, and will be closed Christmas and New Year's Days. On the weekends following the holidays, the Cafeteria will be open for normal weekend snack bar service, from 9 a.m. to 2 p.m. The **Brookhaven Center Club** will be closed Christmas Eve, Christmas Day, New Year's Eve and New Year's Day. The **Vended Food Service,** Bldg. 912, will be open at all times and serviced regularly.

• **Gymnasium & Pool** — The pool will continue its maintenance shutdown throughout the holiday, while the gym will be closed both holiday weekends, from Thursday through Sunday, December 24-27, and from Friday through Sunday, January 1-3, remaining open during the work week. For both the gym and the pool, usual scheduling will resume on Monday, January 4.

• **Recreation Building** — The Recreation Building in the apartment area will be closed from Monday, December 21, through Sunday, January 3.

• **U.S. Post Office** — The service window at the Upton Branch of the U.S. Postal Service will close at noon on Christmas Eve and remain closed until Monday, December 28. It will also be closed on New Year's Day.

• **Weekly Calendar** — The deadline for submittals for the Weekly Calendar for the week of December 28 is noon on Monday, December 21; the deadline for the week of January 4 is noon on Monday, December 28.

# On the Cover

***O Christmas Tree!***
***RHIC's Christmas Tree!***
***How wiry are thy branches!***

**The "Christmas tree" on the front cover is the inspiration of Ginny Waterman, an administrative assistant with the Relativistic Heavy Ion Collider (RHIC) Project.**

**Waterman saw a photo of some stacks of cellophane-wrapped, partially completed superconducting wire destined to be made into the 30-strand cable that is eventually coiled into superconducting magnets for RHIC. She was instantly struck with the idea that, doubled with its mirror image, the photo would look like a decorated Christmas tree.**

**Thus, with expert assistance from the Illustration and Photography Sections of the Photography & Graphic Arts Division, and with permission to use the original photo from Oxford Superconducting Technology, New Jersey, the firm making the wire for BNL, the Bulletin's holiday cover was created.**

# Last Day for Science Store Magic

**When science takes a hand with magic, an indoor winter wonderland's a breeze. All that's needed are an "ice" mountain of piled-up magnifying cubes, "snowy" firs that crystallize in a few hours when tree-shaped filter papers are soaked in "Magic Tree" powder mixed with water, and an unearthly body made from part of a gyroscope suspended on black thread.**

**These items, as well as many other weird and wonderful toys and *objets de science* can be bought today — the last day of the Winter Holiday Sales at the Science Store.**

**The store is located in the west side of Bldg. 701. So, from 10 a.m. to 3 p.m., after parking in the north parking lot, stock up on inexpensive gifts that teach the science on which so many "magical" effects are based.**

Roger Stoutenburgh

# Addled Addresses

- Boorkhaven Natl Labs
- Brooke Heaven Lab
- Administrator of Pilot Engineering
- Brookhaven National Laboratory Department of Energy
- Broke Heaven
- Brookhaven Nut Labs
- Brooklyn National Laboratory Uptown, NY
- Frances Data Bernstein Brookhaven National Labor
- Brook Haven Laboratory
- Broodhaven National Labora ASG - 75 Brookhaven Ave. Lipton, Ny 11973

# Inside Info

The **Brookhaven Bulletin** won two Awards of Excellence in the 1992 Publications and Art Competition of the New York Chapter of the Society for Technical Communications. One award was for general publication excellence in the category of Newsletters; the other for artistic interpretation, as shown in the Winter Holiday Cover of December 21, 1990.

# Santa's 10th Anniversary

This is the tenth year that Santa (Firefighter Rich Richard) and his elf helper (Sergeant Chuck LaSalla) will be making rounds on site, sharing their good cheer and distributing candy canes, compliments of BNL's Fire/Rescue Group of the Safety & Environmental Protection Division.

With Fire Engine #2 as their sleigh, Santa and his elf will go round the offices and laboratories beginning at 9:30 a.m. on Christmas Eve, Thursday, December 24.

While Santa and company will try to visit every building on site, if they have missed yours in the past (possibly because you have been naughty, not nice) or if you want Santa to make a special appearance in your workplace at a certain time, please call Ext. 2351 to make a reservation.

BROOKHAVEN BULLETIN

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for the employees of
BROOKHAVEN NATIONAL LABORATORY

ANITA COHEN, Editor
MARSHA BELFORD, Assistant Editor
LIZ SEUBERT, Reporter

As 1992 draws to a close, the Editor and editorial staff of the Brookhaven Bulletin gratefully acknowledge the indispensible, year-round contributions of the following people:

**Public Affairs Office**
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**Photography & Graphic Arts Division**
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**Copy Service**
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**Illustration**
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**Staff Services Division, BNL Mail Room**
Luerine Allen, Selestine Brown, Jean Bunselmeyer, Esther Larios, Frank Norton, Dinorah Silva, Veronica Varlack
**Personnel Division, Personnel Records**
Louisa Barone, Sharon Goode, Bonnie Miller, Darlene Peragine

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# Reports Available

The following reports are available to Laboratory staff and affiliates of DOE, AUI and NRC. Others may purchase the reports from the National Technical Information Service, U.S. Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. Staff members should call the designated contact.

**NUREG/CR-5912**
**BNL-NUREG-52335**
Contact: J. Hodgkinson, Ext. 4909
Review of the Technical Basis and Verification of Current Analysis. G. De Grassi.

**NUREG/CR-4409 (Vol. 4)**
**BNL-NUREG-51934**
Contact: M. Beckman, Ext. 3228
Database on Dose Reduction Research Projects for Nuclear Power. T.A. Khan, D.S. Vulin, H. Liang and J.W. Baum.

**NUREG/CR-5924**
**BNL-NUREG-52339**
Contact: A. Fort, Ext. 2114
Pilgrim Nuclear Power Station — High Pressure Coolant Injection. W. Shier and W. Gunther.

**NUREG/CR-5816**
**BNL-NUREG-52312**
Contact: N. Siemon, Ext. 2397
BWR Stability Analysis With BNL Engineering Plant Analysis. W. Wulff, H.S. Cheng, A.N. Mallen and U.S. Rohatgi.

# 1993 New York City Train Trips

This is the only time that the 1993 schedule of special, discounted trips to New York City (NYC) via the Long Island Railroad (LIRR) will be published in the Bulletin, so clip and save the information below:

• **Saturday trips** — The Patchogue-Medford Library runs trips to NYC on the third Saturday of every month, starting in March. The train leaves from Patchogue at 8:15 a.m. Purchase round-trip tickets, at $7 each, at the library at least one week before the trip. For information, call 654-4700, Ext. 20.

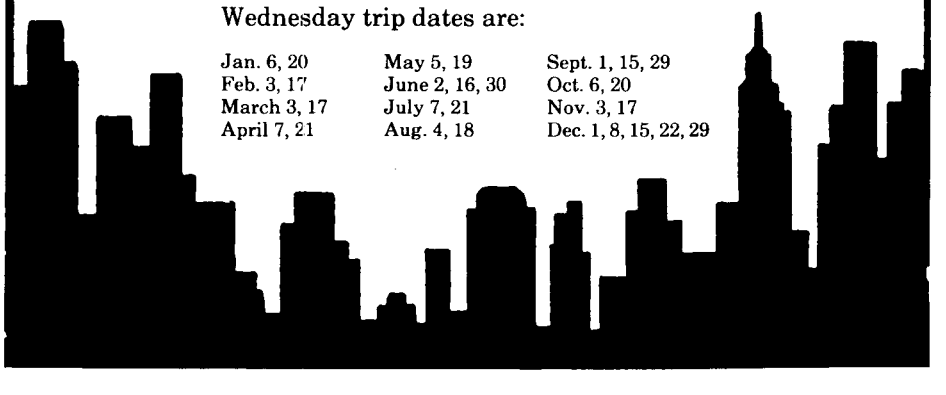
• **Wednesday trips** — Diane Weid will run NYC train trips on the first, third and fifth Wednesdays of each month, leaving from Patchogue at 7:55 a.m. The round-trip cost is $7.50 per person.

A minimum of 30 people is needed for each trip. For reservations, send a check payable to Cash to: Diane Weid, 654 Old Medford Avenue, North Patchogue, NY 11772. Checks must be received by the Monday before a trip and should include your phone number and the trip date.

For more information, call Weid at 475-2394.

Wednesday trip dates are:

| | | |
|---|---|---|
| Jan. 6, 20 | May 5, 19 | Sept. 1, 15, 29 |
| Feb. 3, 17 | June 2, 16, 30 | Oct. 6, 20 |
| March 3, 17 | July 7, 21 | Nov. 3, 17 |
| April 7, 21 | Aug. 4, 18 | Dec. 1, 8, 15, 22, 29 |



# Carolers Coming To the Cafeteria

The BNL Choral Group will present its annual Christmas Concert in the Cafeteria at the special Christmas luncheon on Tuesday, December 22.

Two new groups of carolers will also debut at the Cafeteria next week: The four-year-olds from BNL's Child Development Center (CDC) will sing at noon on Monday, December 21, while the CDC's first kindergarten class will perform on Wednesday, December 23, at 12:30 p.m.

# Sybase Course

A three-day beginner's course in Sybase, the distributed relational database management system supported by the Computing and Communications Division (CCD), will be given on site by a certified Sybase instructor, January 20-22. The course will be geared toward the programmer, administrator or designer who knows SQL, but is new to Sybase.

For about $850 per person, which includes course material and labs, this course is a quick, cost-effective way to come up to speed on Sybase and its tools. Registration is first-come, first-served; space is limited.

To register, contact Susan Eng, Ext. 7988, or E-mail sge@bnl.gov.

# Arrivals & Departures

**Arrivals**

**Ronald Beauman**.....NSLS
**Walter R. Richters Jr.**.....Physics
**Dusan Srdoc**.....Saf. & Env. Prot.

**Departures**

**None**

# Volleyball

**Standings as of 12/9**

| Open League | | League I | |
|---|---|---|---|
| The Roofing Co. | 21-6 | Network News | 18-3 |
| G-Team | 21-6 | Rude Dogs | 15-6 |
| Me & the Boys | 11-19 | Upfagrabs | 15-6 |
| Penetrating Vollies | 10-20 | VolleyBallAholics | 14-7 |
| Farside | 9-21 | Underdogs | 7-11 |
| | | Fornossing | 3-18 |
| | | D & D Company | 0-21 |

| League II | | League III | |
|---|---|---|---|
| Monday Nite Live | 20-4 | Volley of the Dolls | 12-6 |
| Safe Sets | 16-8 | Jolly Vollies | 12-6 |
| Nuts & Bolts | 15-9 | High Volley'em | 11-7 |
| Fossils | 13-11 | Nutcrackers | 11-7 |
| Night Court | 11-13 | Upton Ups | 10-8 |
| Net Wits | 10-14 | Silver Bullets | 9-9 |
| Sourcerers | 6-18 | Hairballs | 4-14 |
| Just Up | 5-19 | Mis-Fits | 3-15 |

# Bowling

**Red/Green League**

S. DiMaiuta bowled a 238/210/618 scratch series, B. Erickson 234, R. Raynis 231/225/616 scratch, T. Prach 228, R. Mulderig 224, A. Warkentien 210, M. Guacci 208, K. Asselta 207, R. Larsen 203/202/200/605 scratch, R. Eggert 203, A. Sauerwald 203, S. Thompson 202.

**Purple League**

John McCarthy bowled a 201, Jim Goode 196, John Addessi 190, Pat Manzella 172.

**White League**

Pete Wynkoop bowled a 209/193/579 scratch series, Ken Batchelor 206, Ken Riker 203, Ray Raynis 200, Larry Musso 195, Frank Dusek 195, Gerrie Riker 194, Brian McCarrick 188, Mary Grace Meier 186/170, Norman Besemer 180, Pat Bounauito 171.

# Cafeteria Menu

**Monday, December 21**

| | |
|---|---|
| Soup: Cream of tomato | .80/1.10 |
| Entree: Kielbasa & cabbage | 3.20 |
| Lite choice: Tortellini w/red sauce | 3.20 |
| Carvery: Hot pastrami sandwich | 2.95 |
| Grill: Ginger chicken w/white rice | 3.35 |
| Special: Soup & sandwich | |

**Tuesday, December 22**

Special Christmas luncheon *(look for flyer)*

**Wednesday, December 23**

| | |
|---|---|
| Soup: Potato cheddar | .80/1.10 |
| Entree: Chicken & dumplings | 3.35 |
| Lite choice: Fettucini Provencale | 3.20 |
| Carvery: Hot ham sandwich | 2.95 |
| Grill: Reuben platter | 2.95 |

**Thursday, December 24, Christmas Eve**

Snack bar service - 7:30 a.m. to 12:30 p.m.

**Friday, December 25, Christmas**

Closed

# PRC Nationals May Apply for Permanent Residence

The Chinese Student Protection Act of 1992 enables nationals of the People's Republic of China (PRC) who are currently nonimmigrants who have resided continuously in the United States since April 11, 1990, to apply for permanent resident status. Government regulations instructing those on applying should be available in February 1993.

For planning purposes, the Office of Scientific Personnel (OSP) needs to know how many PRC nationals among the Lab's employees and guest researchers intend to apply for permanent residence under this act. If you do, please register your name by calling OSP, Ext. 7831.

# To Your Health

*The Health Promotion Program (HPP) of the Occupational Medicine Clinic announces two offerings for the New Year. For more information, contact HPP Specialist Mary Wood, Ext. 5923.*

## Weight Watchers

To take off those pounds that you know you will put over the holidays, sign up for the on-site Weight Watchers group, which meets on Wednesdays, from noon to 1 p.m., in the south dining room of the Brookhaven Center, where registration for new and continuing members will take place on Wednesday, January 6. The 12 weeks of classes will start on January 13 and continue through March 31.

As the Lab is paying $10 of the registration fee for each participant, the cost is $90 per person, payable at registration.

## Stop Smoking

To breathe easier during the coming New Year, if you smoke, sign up for the smoking-cessation workshop to be held on site, conducted by the American Cancer Society (ACS).

The workshop will be held on Wednesdays, January 6, 13, 20 and 27, from 5:15 to 6:15 p.m., in Room C, Berkner Hall. For first-time quitters, the fee is $10, payable in a check to the ACS and sent to Mary Wood, Bldg. 490, by Monday, January 4. Previous participants who want to try again are asked to register by that date as well, but may attend the workshop for free.

# 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.

POSTDOCTORAL RESEARCH ASSOCIATE - trained in biology, chemistry or physics, with experience in protein crystallography and crystallographic computing, to conduct research on the structure of macromolecules involved in protein synthesis. Contact: V.R. Ramakrishnan, Biology Department.

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

**LABORATORY RECRUITMENT** - Opportunities for Laboratory employees.

DD 8159. SECRETARIAL POSITION - Requires AAS in secretarial science or equivalent and a thorough knowledge of Laboratory policies and procedures. Will provide varied secretarial support to the Hazardous Waste Management Section Head and Group. Excellent communication skills are required, as is IBM PC experience; WordPerfect 5.1 experience desired. Safety & Environmental Protection Division.

**OPEN RECRUITMENT** - Opportunities for Laboratory employees and outside candidates.

DD 6140. TECHNICAL POSITION - Requires AAS in electronic technology or equivalent with significant knowledge of rf and high-voltage circuits. Duties will include the construction, troubleshooting and maintaining of rf amplifiers and high-voltage power supplies for Linac Group. 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. (reposting) Alternating Gradient Synchrotron Department.

## Motor Vehicles & Supplies

91 FORD TAURUS GL WAGON - 9-pass., p/everything, am/fm cass., cruise, tilt, V-6, a/t, ac, airbag, more, 40k mi., $11,600. 475-9027.

89 BMW 325I - 63k mi., 5-spd., ac, sunroof, like new, $14,000 neg. Ed, 473-8716.

88 CHRYSLER LEBARON - 4-dr., a/t, ac, cruise, low mi., 7/70 warr., new tires, excel. cond., $4,100. 369-0432.

88 SUBARU GL - a/t, tilt, steering, am/fm, 4 speakers, avail. Jan. 1993, $3,000 or best offer, Miguel, Ext. 5427/2963 or 821-1376 eves.

88 CHEVY PICKUP 4x4 - ¾-ton, ac, cap, liner bed, hitch, 5-spd., 72k mi., $6,900. Lori, 369-7809.

87 PONTIAC GRAND AM LE TURBO - 4-cyl., full power, a/t, ac, 60k mi., burgundy ext., gray int., $5,500. Ann, Ext. 5756 or 654-0296.

85 ESCORT - a/t, runs, looks good, needs some work, neg. Ext. 5384.

85 PONTIAC GRAND AM - red, ac, 5-spd., sunroof, am/fm, 104k mi., v.g. cond., $2,100 neg. Michael, Ext. 3571/2201 or 341-1025.

85 BUICK CENTURY - 4-dr., ac, am/fm, cruise, new battery & exhaust, 30 mpg, orig. owner, v.g. cond., $2,600 neg. Larry, Ext. 3506 or 281-2002.

84 MERCURY GRAND MARQUIS - brown, all power, mint cond., $3,500. 654-5469.

84 MAZDA B-2000 LE PICKUP - 5-spd., 95k mi., rebuilt trans., steel cap, bed liner, excel. cond., $950/all or $450 cap & liner. Al, Ext. 2043.

84 DODGE OMNI - good for parts, $50. Ext. 3983 or 341-1039.

83 BRONCO LTD - 302 V-8, a/t, 72k mi., tan/brown ext., tan int., captain's chairs, orig. owner, $3,700. Paul, Ext. 2177.

82 CHEVY CAPRICE WAGON - 9-pass., new battery, rebuilt starter, water pump, 181k mi., must sell, make offer. Charlie, Ext. 2317 or 754-2471.

81 VW RABBIT - 79k mi., runs well, sunroof, stereo cass., $600. Dennis, Ext. 4218 or 929-5914.

80 CAMARO - V-6, 3-spd., T-tops, p/s, p/b, am/fm cass., high mi., looks good, runs well, asking $1,200. Tirre, Ext. 3288 or 281-0360 after 6 p.m.

79 MUSTANG R&H - 4-spd., 2.3L, 100k+ mi., $350. E. Raka, Ext. 4924 or 286-6858.

71 MERCEDES 250C - 667-4846.

70 CHEVROLET IMPALA - 119k mi., red, fast, good restoration project, $500. Mike, Ext. 7892.

TIRE - Firestone, P215/70R14, v.g. cond., $30. Tony, Ext. 3252.

CASSETTE DECK - Pioneer, auto reverse, no am/fm, like new, $50. Sue, Ext. 4931.

DONUT TIRE - on wheel, never used, from '88 Grand Am Pontiac, will fit all GM, 125/70D15. Saxon, 744-3842.

## Furnishings & Appliances

AUDIO CABINET - 21"x16½"x40", brand-new, black, 3 adjustable shelves, glass door, casters, orig. $128, ask. $75 neg. Trudi, 286-8338.

BREAKFRONT - china, dinette, walnut, Formica, 2 top glass doors & 2 bottom solid doors, 2 end tables, walnut, $125/all. 924-3553.

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

CRIB - solid oak, good cond., asking $100. Cathy, 878-3475.

DINING ROOM - contemporary, glass top, w/4 custom upholstered chairs, $600; 3 rockers, 1 armchair, $300. 369-0432.

HUTCH - country pine, new cond., $400; entertainment center, radio, phono, space for TV, storage, maple, $150. 744-3842.

KITCHEN RANGE - GE, 30", excel. cond., white. G. Perry, 654-0812.

MICROWAVE - family-size, 1.45kW, JC Penny, fully digitalized, excel. cond., $150. Joe, Ext. 7419.

POLE LIGHT - 3-way, 3 lights, Colonial, hurricane lamps, w/amber globes, $40; end-table living-room lamp, $25. 924-3553.

RICE COOKER - Panasonic, 1.5L, 2 yrs. old, $30. Weiyi, Ext. 1021 or 341-1021.

SOFA - country, good cond., $100. 475-4199.

## Tools, House & Garden

BOXSPRING & MATTRESS - for double bed, $20; cast-iron tub w/claw legs, $25; kerosene furnace, 37,600 Btu, $40. John, 744-4386.

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

FIREWOOD - seas. hardwood, split, delivered, half cords avail., $115/cord. Glenn, 924-2035.

GENERATOR - bought from BNL, new cond., orig. $400, best offer. Joe, 929-8321.

## Sports, Hobbies & Pets

BODY CONDITIONER - Columbia rowing & lifting machine, complete, excel. cond., orig. $150, now $60. 924-3553.

HUNTING OUTFIT - red & black, Woolrich, pants, jacket; rain outfit, orange, size medium, excel. cond., $40. 821-3763.

DIRT BIKES - '83 YZ-125, v.g. cond., $450; '83 YZ-125, mint cond., $950. 878-1617 after 6 p.m.

POOL TABLE - 8', D.P., model #7658, like new, asking $1,250. Jeff, Ext. 2907.

R/C CAR & TRUCK - 4-channel radio, ac/dc charger, $275. Rolf, 399-3312.

SKIS - 140cm, 120 lb. max, hot pink, w/poles, bindings, $70; kid's ski jacket, size 16, like new, $20. Sue, Ext. 3492.

SKIS - 150cm, Head racing, $35; ski boots, size 2, 5, 6 & 9½, Nordica, $20/ea.; Bauer ice hockey skates, size 5, excel. cond., $30. Max, 286-8741.

SKIS - Fischer intermedate, Tyrolia super bindings, excel. cond., $100. 878-1617 after 6 p.m.

STAMPS - Sierra Leone, Face on Mars collector's set, potential value $5,000+, asking $1,500. Warren, Ext. 3277.

TRAILER - Prowler, 28' camper, very good cond., $1,800. Hank, 726-4964.

## Audio, Video & Computers

CALCULATOR - HP285, scientific, w/all manuals, excel. cond., $80. Mike, Ext. 7892.

COMPUTER - Commodore 64, two 1541 disk drives, make offer. Tom, Ext. 4631.

COMPUTER - 386DX, 25MGz, 65 MB, hard drive, 1.44 & 1.2 MB diskettes, 14" b&w monitor, much software, $850. J. Bennett, 924-9519.

LNYX GAMES - $15/ea.; $50/four; Game Boy, $40; rechargeable battery pack, $15; games, $15/ea. Ext. 7505.

NINTENDO - 13 games, 2 controllers, power pad, game cleaner, $160. Maria, Ext. 5196.

STEREO - tape deck, cass., headphones, never used, orig. $250, sell for $75. 744-3842.

TV - Panasonic, 20", color, new, 1 yr. old, avail. 1/8/93, $175. Wei-yi, Ext. 1021 or 341-1021.

TV - Zenith, 25", color, Colonial console, w/swivel casters. 924-3553.

## Miscellaneous

AIRLINE TICKET - JFK, 12/19, round-trip to San Francisco, $25 to change date, $371 or best offer. 341-1233.

AIRLINE TICKETS - American Airline, Islip to LA, 1 way, $25 to change date, $100/ea. Ext. 3983 or 341-1039.

DITTO MACHINE - w/lots of blank dittos, works fine, $10. Bill, Ext. 4000.

ENGAGEMENT RING - 14k yellow gold, Tiffany setting, 0.49 carat center stone, appraised $1,750, sell for $1,000. Pete, Ext. 4581 or 399-2813.

FUR JACKET - German, brown, trimmed w/ leather, size 6, like new, $45; Swedish coat, red, w/hood, size 6, $10. Lucy, Ext. 1027.

GOLD NECKLACE - V-shape, orig. $65, now $30; Jane Fonda Step Aerobic & Abdominal workout video, $17. Elaine, Ext. 3876 or pager 0456.

OVERCOAT - black, full-length, dress, wool, excel. cond., size 40, $30. 821-3763.

T-SHIRTS - physicists/chemists, 45 name montage, black on white, 1 med., 2 large, 2 X-large, ideal for Xmas, $10/ea. Ralph, Ext. 2180.

WEDDING GOWN - silk organza, new, size 10, $200. 878-1617 after 6 p.m.

## Free

COPIER - plain paper, Toshiba BD-3505, works. Bill, Ext. 4000.

DOG - female, Lab mix, needs loving home w/yard. Kelly, 563-6062.

FERRET - 2½ yrs. old, loves to be handled, cage included. 289-8212.

PARAKEETS - 2, very healthy, cage + all access., food, etc., I'm allergic. Chris, Ext. 2911 or 689-5298.

## Car Pools

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

PITTSBURGH, PA - need riders to share round-trip driving expenses from BNL to Pittsburgh on weekends/holidays. Bill, Ext. 3698 or 2569 eves.

STONY BROOK-LAKE GROVE - established car pool needs additional member(s). Ext. 4192/5080.

## Wanted

ADJUNCT INSTRUCTORS - for nuclear power/ radioactive-waste course, on-site master's prog., Manhattan College. Kahn-Jeller, (212) 920-0366.

CAR CARRIER - hard-body, for luggage. Lori, 369-7809.

CHILD CARE - Mondays only, for my 1½ year old. 928-7734 after 6 p.m.

DESK - roll-top, full-size, good cond. or better. Joe, 929-8321.

DISK DRIVES - 2 low-density 5¼, full height OK,; also 3½ drives; also 386 motherboard. Cadwell, Ext. 2934.

OLD DOLLS & RELATED ITEMS - carriages, Teddy bears, toys, any cond. 475-4199.

NORDIC TRAK - Jim, Ext. 2393.

ROLLERBLADES - men's size 9½-10, good cond. Chris, Ext. 4030.

SLIDE PROJECTOR - carousel, in good cond. 878-2239 after 5 p.m.

TRAINS - Lionel & American Flyer, priv. collection, pay top $. Bruce, 924-4097.

VHS RECORDINGS - of "Get A Life" episodes starring Chris Elliot. Tony, Ext. 3524.

WATERCOLORS - brushes, paints, etc. from someone no longer interested. John Castro, Ext. 7671.

## In Appreciation

A heart-filled thanks to all my BNL friends who were so thoughtful during my recent surgery. You hastened my recovery with all your good wishes. — Sharon Jones

To all my friends at BNL who took the time to send me and my family a card, flowers or a fruit basket, etc. during my recent illness, I wish to express my sincerest thanks. Your kindness was deeply appreciated. — Tom Tully