BROOKHAVEN BULLETIN

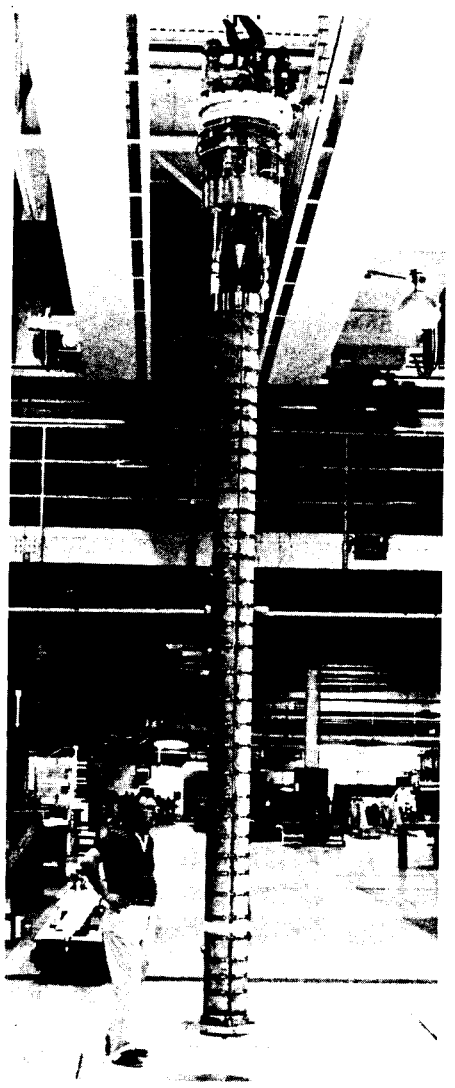
Vol. 40 - No. 1 January 3, 1986

BROOKHAVEN NATIONAL LABORATORY

Signs of 1985

Last year the High Flux Beam Reactor turned 20 and the Alternating Gradient Synchrotron was 25 years old. Starts were made in new areas and an account of this and other research will be found in the Brookhaven Highlights to be distributed to all employees later this month. Here are a few photos, which will recall some of the activities of 1985.

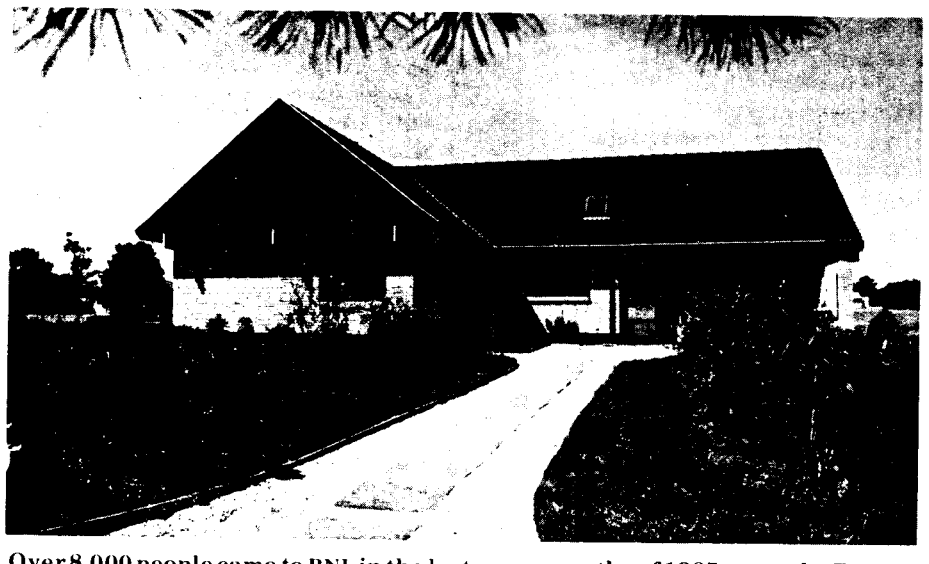
Capping an eventful year, on December 17, the Alternating Gradient Synchrotron (AGS) set two new world's records for polarized protons, reaching an energy of 18.5 GeV and an intensity of 18 billion protons per pulse. Polarized proton commissioning is led by Alan Krisch (seated), University of Michigan, shown here with his deputy Larry Ratner, BNL, monitoring events in the AGS control room. Even higher intensities will be forthcoming for polarized proton experiments and for other high energy physics research with protons, upon the completion of a new booster ring that received approval in November. The Booster will also help the upcoming heavy ion physics program at the AGS and make possible the Lab's proposed Relativistic Heavy Ion Collider.



Throughout 1985, BNL, LBL and Fermilab collaborated on design D, a high-field, superconducting magnet for the proposed Superconducting Super Collider (SSC). On September 17, the three laboratories shared in the good news that their design had been selected as the focus of future magnet R&D for the SSC. Shown here is one of the 4.5 meter demonstration magnets tested at BNL this year. In 1986, six prototype full-length magnets (16.7 meters) will be constructed.

One of the ways Lab scientists have of monitoring the water quality of the Peconic River is to go fishing. Here, N.Y. State Department of Environmental Conservation biologist Chart Guthrie (left) and S&EP ecologist Jan Naidu collect the catch. From their studies they learn that the river, which has its headwaters at the Lab, supports a healthy, normal and abundant fish population. Since the early 70s, S&EP has conducted continuous ecological monitoring of the river with regard to its sediment, water, vegetation and fish.

A large Chinese delegation visited the Lab in October for discussions on high energy physics and a workshop on the Construction and Commissioning of Dedicated Synchrotron Radiation Facilities. Highlighting the week was an agreement between China and the U.S. on high energy physics collaboration. Signing for their respective countries are Madame Gu Yu, Advisor to the Chinese Academy of Sciences and William Wallenmeyer, Director of the Division of High Energy Physics, U.S. Department of Energy.



Over 8,000 people came to BNL in the last seven months of 1985 to see the Danish House, the first in the proposed international housing village at the Lab. The house, which is prefabricated, was erected in three days and completed in three weeks by Danish workmen. It was considered to be affordable, attractive and energy conserving. Currently the house is being monitored to obtain data on energy conservation and interior climate.

These men are smiling because last August they witnessed the x-ray ring at the National Synchrotron Light Source achieve its design energy of 2.5 billion electron volts. They are: (center, seated) NSLS Operator Randolph Church; (left, seated) Operator Samia Thomas; (standing, left to right) Injection System Manager Richard Heese; Head of Electrical Systems and Operation Section Rolf Olsen; Chief Operator John Skora; Electrical Engineer John Keane; NSLS Chairman Michael Knotek; and Operator George Jahnes. The x-ray ring is now operating at 2.52 GeV with currents greater than 100 milliamps. Since late May, the x-ray ring has been operating full time to meet the needs of 17 participating research teams and BNL users.

Winner's Circle

Pat Andrisani, Assistant Storeskeeper, Supply & Materiel, was awarded $25 for designing a stockroom from used for incorrect items to be returned to the stockroom. When the person who placed the order calls to request that the item be exchanged for the correct one, Andrisani's pick-up ticket is filled out with the information; a copy is given to a driver who will pick up the item to be exchanged, and one is kept by the stockroom. This eliminates the scraps of paper that were previously used for this memo, thereby standardizing the paperwork on this stockroom transaction.

Mary Cooper, Senior Administrative Services Assistant, Applied Mathematics, and **Sandra Dozier,** Executive Secretary, Safety & Environmental Protection (S&EP), were each awarded $125 for demonstrating that it is cost-saving for on-site personnel to be able to perform data conversion rather than for the Lab to hire outside conversion services.

In April 1983, Cooper and Dozier transferred 100 disks of S&EP information from an Amtext 425 to an NBI 3000 word processor using hardware and software customized for this particular conversion by Allen Kuehner, S&EP. In two months, they had transferred 4,000 pages with 90% accuracy, and saved the Lab $7,000 by doing it themselves.

Since May 1985, a disk conversion service has been available through the Composition Group of Photography & Graphic Arts using a Shaffstall MediaCom 5000 interface system. The MediaCom 5000 can make more than 200 different computers, word processor and computerized typesetting machines compatible. It can exchange information for incompatible systems using disks directly or via the telephone. To use the conversion service, contact Leo J. Casey at Ext. 2952.

Joseph Mead, Technical Associate, Instrumentation, earned himself $25 for his recommendation that pressure-sensitive release bars be installed on the gates at the rear of HFBR. Prior to the installation of these safety devices, when the two halves of the motor-driven gates were closing, they were capable of trapping a person between them, and a person so caught had no way of releasing himself without summoning help.

Patrick Gilleeny, Senior Technical Supervisor, Instrumentation, was presented with $25 after he had the good idea to request that the sign for Building 129 be moved back from the road. The building sign was blocking the view of drivers parking their cars in a lot off Technology Street, which could have resulted in a traffic accident. Gilleeny donated his prize money to the United Way.

Changes in Taxes

FICA

Effective January 1, Social Security taxes will be deducted at the rate of 7.15% on the first $42,000 of each wage-earner's income. In 1985, the Social Security base was $39,600, and the rate of tax was 7.05%. The change means that the maximum Social Security tax a wage-earner will pay in 1986 will be $3,003, compared with $2,791.80, an increase of $211.20.

Federal

The IRS has issued new tables to calculate the amount of Federal Tax to be withheld from employees' wages paid after December 1985. The new rates are the result of indexing and will generally result in less tax being withheld. Weekly employees will spot the difference in January 3 paychecks, and monthly employees in January 31 paychecks.

Blood Count

BNL'ers literally gave of themselves very generously by donating a total of 441 pints of blood to the Greater New York Blood Program. Susan Foster, chairman of the Lab's Blood Program, regrets the delays some donors encountered and assures that they will not be repeated at future blood drives. "I hope everyone will remember the positive things," she said. "Donations were the greatest ever given here during the Winter Blood Drive and will help assure that Long Island's blood supply is adequate during this season of peak demand."

Speakers Bureau

David Rorer (Reactor), Long Island Masonic Past Masters Association, Intelligent Use of the Atom: Research at the HFBR, July 8.
William Marcuse (DO), Rotary Club of Rocky Point, Technology Transfer, September 10.
R. Christian Anderson (DO Ret), Institute of Environmental Sciences, BNL General, September 19.
Otto White (S&EP), M.E.A.S. Student Organization, SUNY at Stony Brook, Careers at BNL, October 24.
Thomas Butcher (DAS), Comsewogue Jr. High School, Careers in Engineering, November 7.
Martha Heine (Med.), Suffolk County Girl Scout Commission, Careers of the Future at Commack High School, Careers for Women in Science, November 16.
Robert Thomas (Chem.), SUNY at Stony Brook Council AIM Program, Science Careers at BNL, November 21.
David Rorer (Reactor), Port Jefferson Lions Club, Research at the HFBR at BNL, November 25.
Donald Gardner (Accel.), Suffolk County Boy Scouts Career Awareness Day at Comsewogue High School, Careers in Engineering, November 26.
Sonja Haber (Med.), Gelinas Jr. High School Science Fair, Science Fair Judge, December 4.
Susan Eng; Sharon Spark (AMD), Longwood High School Career Explorations Day, Careers for Women in Computers, December 5.

Note to Diners

The cafeteria will be closed on Saturday, January 4. On that day, snack bar service will be available from 9 a.m. to 2 p.m. at the Brookhaven Center.

1986 Holidays

New Year's Day	Wednesday	January 1
President's Day	Monday	February 17
Memorial Day	Monday	May 26
Floating Holiday	Thursday	July 3
Independence Day	Friday	July 4
Labor Day	Monday	September 1
Veterans' Day	Tuesday	November 11
Thanksgiving Day	Thursday	November 27
Day after Thanksgiving	Friday	November 28
Christmas Eve	Wednesday	December 24 (½ day)
Christmas Day	Thursday	December 25
Floating Holiday	Friday	December 26

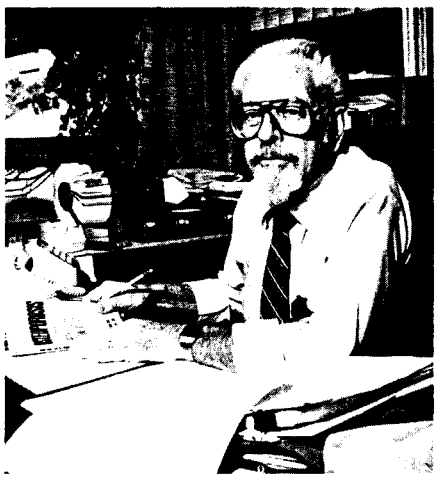
Please note that Veterans' Day is Tuesday, November 11, not Monday, as indicated in the Bulletin of December 20.

A Book Review
Boning Up on Osteoporosis

Not only is he a leading researcher in the study of osteoporosis, but now Senior Scientist Stanton Cohn, Medical, has helped write the book on it.

The book, *Osteoporosis: How to Prevent the Brittle-Bone Disease,* was written by Wendy Smith in consultation with Cohn and published in May, 1985, by Fireside Books of Simon & Schuster, Inc. It is a self-help paperback written in simple language for women who wish to understand their chances of getting the disease and to take precautions against osteoporosis.

Osteoporosis, as defined in the first chapter, is a disease that accelerates



Peter Horton

Stanton Cohn

the natural loss of bone mass accompanying aging. As a result of the disease, bones can become so porous and fragile that they may fracture spontaneously or break from minor trauma. As Cohn states in the foreword, while there is no way at the present time by which demineralized bones can be restored to their former condition, the loss of bone can be slowed. "Even more importantly," notes Cohn, "preventive measures can be taken early in one's life to lessen the effect of bone thinning."

The main objective of the 142-page volume is to motivate women, especially women under 35 years of age, to undertake two preventive measures: consuming adequate amounts of calcium daily and performing weight-bearing exercise at least three times per week. Moderation is the key to good health, and Cohn writes that drastic dietary or activity changes are not necessary to prevent osteoporosis. "Four glasses of skim milk (daily) generally provide an adequate calcium intake without adding unnecessary fat," he notes, and says that walking briskly is excellent exercise for the bones.

In the first of eight chapters, the causes and consequences of osteoporosis are defined in understandable terms.

"The skeleton reaches its peak bone mass at approximately 35," writes the author, "and a few years after this peak is reached, we begin to lose bone mass." Loss of bone, therefore, is a normal part of aging, but osteoporosis is said to occur when this bone loss is abnormally accelerated.

In the second chapter, older people head the list of who gets osteoporosis. Others who are warned that they may be susceptible are women, those with a family history, people of small stature, fair-skinned whites, those in industrial societies, people with milk allergies and those who don't exercise. In addition, she warns of dietary risk factors, such as alcohol and caffeine.

Just when the story gets depressing, Smith comes up with a twist in the plot: how to build bigger and stronger bones now so the reader won't have a frail skeleton later. In the second part of the book, four chapters cover the specifics of prevention. According to the author, virtually all doctors agree that the single most effective way to avoid developing osteoporosis is to have the maximum possible bone mass at age 35. She writes, "So, although osteoporosis is a disease of old age, its prevention is in the hands of youth."

Smith reviews how much is enough calcium for a female from her teen age years to after menopause. The author asserts, "[pre-menopausal women] should be able to get enough calcium from the food [they] eat; it's always better to get your nutrition from the grocery store rather than the drugstore." Women past menopause, however, need more calcium than before, and the author has a list of recommended calcium supplements. She also addresses older women's possible need for vitamin D, and the pros and cons of estrogen replacement therapy.

The fourth chapter includes four weeks of calcium-rich menus, 18 recipes and a chart of the amount of calcium and calories in over 100 foods. The author proves that there are enough calcium-rich foods that large quantities of high caloric dairy products don't have to become a fattening mainstay.

Since exercise increases bone mass, weight-bearing exercises, such as aerobic dancing, bicycling and weight training, are recommended in the fifth chapter. As well, nine stretching exercises, which concentrate on the areas of the body where osteoporotic fractures most commonly occur, are demonstrated in pictures.

Despite the reader's best efforts, she may still develop osteoporosis after menopause. The author describes the warning signs that may precede bone breaks, techniques to diagnose the disease, and standard and experimental treatments. "The treatments discussed will slow the rate of bone loss; with proper diet and exercise, osteoporosis victims can lead a relatively normal life," Smith optimistically concludes. — Marsha Belford

Note on Co-Author

Stanton Cohn, head of the Medical Physics Division, Medical Department, has written and co-authored numerous papers published in medical journals and many chapters in technical texts, but *Osteoporosis: How to Prevent the Brittle-Bone Disease* is his first publication by a popular press.

"About a year ago, I got a phone call from Miller Press, which produced the book for Simon & Schuster," recalls Cohn. "They asked me, as an expert in the field, if I would talk to their writer about osteoporosis. So I advised her on the science, and she wrote the book in a style that she thought would appeal to women." Cohn never met Wendy Smith, the author of the paperback, but he sent her many papers and had dozens of telephone conversations with her as she researched and wrote.

Cohn read the galleys of the book before it was published. "I verified the information and made suggestions," says Cohn. "I made sure the book was accurate. I had nothing to do with the diet and exercise chapters.

"The book is not going to win a Pulitzer Prize, but it does serve a purpose for a lay audience," adds Cohn. "It is a good compendium of what is known about osteoporosis that women can refer to. I get lots of basic questions on osteoporosis, and now, instead of having to repeat myself all the time, I just refer people to the book."

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Something to Celebrate

A party at the Brookhaven Center last month saluted those employees who celebrated long-term anniversaries in 1985. Along with spouses and colleagues, 95 employees were invited to the party. Fifty-eight had been here 25 years, 29 for 30 years and 8 for 35 years.

— Photos by Horton

—BERA News—

Aerobic Dance

Next week, the Aerobic Dance Club begins the first of two consecutive ten-week sessions of aerobic dance and stretch classes led by Instructor Pat Campbell. The first session is scheduled to run through March 13. Classes in aerobic dance will be held on Tuesdays and Thursdays, and stretch classes will be held on Wednesdays. Participants may take any or all of these classes, but the fee for each ten-week session (T, W or Th) is $30 and is due at registration.

Registrations for the first ten-week sessions will be held in the North Room of the Brookhaven Center, as follows:

- Aerobic dance — Tuesday, January 7 and Thursday, January 9.
- Stretch — Wednesday, January 8.

For more information call Anita Cohen, Ext. 5054, or Bill Leonhardt, Ext. 2378.

Astronomical Society

The open observatory night this month is scheduled for Friday, January 3, beginning about 5:30 p.m., with the following Friday as the rain date. Anyone planning to attend should call Bob Mills, Ext. 5043, or Rick Jackimowicz, Ext. 3803, during the afternoon of the scheduled date. Since many people are interested in viewing Comet Halley, the observatory may be open to the Lab public on good viewing nights during the week between January 3 and January 10. Those wishing to be on-call to view the comet during one of these nights may leave their names with Jackimowicz.

Cooking Exchange

Mexican Cookery will be the theme of the next meeting of the Cooking Exchange on Wednesday, January 8.

Cooking Exchange meetings are held in the Recreation Building on the second and fourth Wednesdays of each month from 12:30 to 2:30 p.m. Meetings are open to employees and their immediate family members. A $1.50 donation per person entitles those present to a copy of the day's recipes, samples of the prepared dishes, and coffee or tea. Babysitting is provided at 50¢ per child.

Call Susan Sears, 744-7831; Sara Morse, 286-1712; or Rosy Antillon, 282-3222, for more information.

Microcomputer Club

MacMillan Software's ASYST scientific package for the IBM PC will be demonstrated Thursday, January 9 at 10 a.m. in the AMD conference room, Building 515. ASYST interfaces to analog, RS-232 and GP-IB sources; controls data acquisition; analyzes data in various ways; and displays tables, graphs and 3D plots. For more information, contact Jim Hainfeld, Ext. 3372.

Model Plane Club

The regular meeting of the R/C Model Airplane Club will be on Tuesday, January 7, at noon, in Room B, Berkner Hall. A video tape will be played. All interested are invited to attend.

Rifle & Pistol Club

The monthly meeting of the Rifle & Pistol Club will now be held in Bldg. 911 (AGS), Lecture Room A-202 as usual on the second Wednesday of the month at 5:15 p.m. Please attend, as we need your input on activities for the new year. For more information, call Otto Jacobi, Ext. 4428.

(Continued on page 4)

EAP Hot Lines

As previously announced to all employees, Judith Katsin, Employee Assistance Program Manager, has left the Lab to relocate on the West Coast. Until such time as a replacement is found, she has left these numbers for employees who may need help. These mental health resources were developed by Dr. Katsin and have proven valuable to employees:

Alcoholics Anonymous: 654:1150
Al-Anon (for family members of alcoholics): 654-2827
Coalition for Abused Women: 542-0404
Eastern Long Island Hospital Psychiatric Unit: 477-1000
Suffolk County Drug Abuse Services: 582-4141
SUNY at Stony Brook - University Hospital 24-hour emergency: 444-2494
1-800-COCAINE

For emergency counseling, please contact the Clinic Nurses Maureen Sacker or Camille Saville on Ext. 3670. They can provide a confidential referral to a doctor in your community.

Hospitality News

Anna Kwiatek, who is from Poland, will be the guest speaker at the next Hospitality Committee monthly get-together on Tuesday, January 7, at the Brookhaven Center, from 9:30 to 11:30 a.m. Mrs. Kwiatek will demonstrate how to use old stockings and pantyhose for making rugs, potholders, mats, cushion covers, etc.

Please join us for this interesting presentation; coffee and pastries will be served. Spouses of Laboratory employees and guests are welcome. Bring the children; babysitting will be provided free of charge.

Arrivals & Departures

Arrivals

LeeAnn R. Austin ..... Biology
Keldon L. Griffin ..... Plant Eng.
Anthony J. Montenigro .... Plant Eng.

Departures

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

Joseph M. Block ..... NSLS
Elaine Borowski ..... Chemistry
Salvador R. Bozzo ..... DAS
Grace M. Paquette ..... Personnel
Ashok N. Vaswani ..... Medical
Eleanore T. Wurtzel ..... Biology

Swim Club

At the White Plains YMCA masters swim meet on December 15, the BNL Swim Team won one race overall, four age-group competitions and took home thirteen ribbons for age-group and overall top-three finishes. Competing at the second meet of the indoor season, Toshi Sugama once again dominated the breaststroke events by winning the 50-yard breaststroke in a time of 37.70, and by taking second overall and first of men 35 to 39 in the 100-yard breaststroke and the 200-yard breaststroke, with a 1:15.46 and a 2:48.17 respectively.

In the 50-yard breaststroke as well, Laurie Hastings was the third woman overall and first of women 30 to 34 with a time of 43.58. Also in the 100-yard breaststroke, she placed first in her age group with a time of 1:34.62.

For the 50-yard butterfly event, Peter Heotis placed second of men 30 to 34 in 29.19, and Hastings was second among women her age in 45.04; Sugama swam the distance in 31.56. In the 100-yard individual medley, Hastings earned the second place red ribbon in her age group in 1:32.17, and Heotis took the third place yellow ribbon in his age group in 1:10.26.

Heotis earned another yellow ribbon among men his age in the 100-yard freestyle by touching in 58.95. Hastings swam the event in 1:21.54, and Mark Catan in 1:05.00. In the 50-yard freestyle, Heotis swam the crawl in 26.10 for a fourth place finish in his age group, and Catan completed the two laps in 28.23. The team was managed for the second time by Jerry Hastings.

Bowling

White League

Ed Sperry IV rolled a 224, Pat Manzella 223, Ken Riker 220, Mary Austin 197, Mary Scheidet 195, Annamarie Spira 182.

Purple League

Gene Hassell had a 221, Rich Larsen 210/212, Mary Grace Meier 196, Lee Barberich 190/175, Sharon Smith 181, Marge Stoeckel 175, Joyce Pinelli 174, Ruth Sheehan 173.

Red/Green League

High games were bowled by K. Asselta 235, J. Morris 234, R. Eggert 224, R. Larsen 211/209, E. Sperry IV 211, K. Riker 210/209, S. Dimaiuta 208, H. Marshall 205, A. Pinelli 205, F. Griswold 205, R. Sick 200.

Classified Advertisements

Placement Notices

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

Each week, the Personnel Office lists new personnel placement requisitions. The purpose of these listings is, first, to provide open placement information on all non-scientific staff positions; second, to give employees an opportunity to request consideration for themselves through Personnel; and, finally, for general recruiting purposes. Because of the priority preference policy stated above, each listing does not necessarily represent an opportunity for all candidates. As a guide to readers, the listings are grouped according to the anticipated area of recruitment.

Except when operational needs require otherwise, positions will remain open for one week following publication date.

For further information regarding a placement listing, contact the Employment Manager, Ext. 2882.

LABORATORY RECRUITMENT - Opportunities for Laboratory employees.

2394. FACILITIES OFFICE ASSISTANT - Responsibilities will include preparing and maintaining records, reports, work orders and files, performing computations, typing correspondence and reports. Typing skills and previous office experience required. Plant Engineering Division.

2395. TOOL & INSTRUMENT MAKER, GROUP LEADER - (Staff Shop) Central Shops Division.

2396. LAMP CLEANER - Plant Engineering Division.

Autos & Auto Supplies

MOPED - Vespa Brava, super deluxe, class B, excel. cond., used very little, $450. Lloyd, Ext. 3381 or 286-1024.

80 OLDS OMEGA - 6 cyl., excel. cond., low mi., $3,000. 473-6432.

79 PINTO - 4 spd., many new parts, avail. end of Jan., $950. Elizabeth, Ext. 3419 or 3005 eves.

73 JAGUAR XJ6 - a/t, a/c, p/b, p/w, burgundy leather int., many new parts, $4,500. Fred, Ext. 5032 or 744-2655.

78 DATSUN 510 - hatchback, a/c, rebuilt a/t, great running car, excel. cond., new brakes/battery. 473-1620.

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

77 TOYOTA - Corona, 5 spd., a/c, new brakes/exhaust, great cond., $1,100. Ext. 4850 or 286-8433 after 6 p.m.

79 SUBURBAN - p/s, p/b, 63k mi., C10, 350, 4/wheel, $4,650. Dean, Ext. 4677.

73 CAMARO - $500; 1973 Pontiac, good trans. and rubber, solid second car, $550. Ext. 2964.

RADIAL TIRES - (4) all season, like new, P-215-78R15, $30 ea. Bob, 287-1587.

57 CHEVY - front bumper needs straightening and re-chroming, solid and complete. John, Ext. 4570 or 751-2655.

81 CITATION - 4 cyl., a/t, p/s, p/b, 2 dr. hatchback, excel. cond., am/fm stereo cassette. Ext. 3277 or 727-4922.

76 AMC MATADOR - station wagon, one owner, clean, well maintained, am/fm, a/c, a/t, third seat. 369-1844 after 6 p.m.

77 FORD GRANADA - 4 dr., p/s, p/b, a/c, $1,000. 582-9213 after 6 p.m.

RIMS - (4) new, 4x4, for Toyota or Datsun, 6 lugs; new Michelin 13" radial tires; 1973 Pinto, am/fm stereo, new parts, tires, mint cond. 226-1828 after 5 p.m.

75 FORD LTD - 4 dr., a/t, a/c, p/s, p/b, am/fm, mech. good, excel. body, $1,200; 1975 Dodge Dart, 2 dr., p/s, p/b, am/fm cassette, 85k mi., $600. 286-0601.

70 BUICK - all power, good running cond., $300. Dave, 286-1290.

80 OLDS OMEGA - 4 dr. sedan, 4 cyl., p/s, a/t, 85k mi., $1,500. Randy, 751-2634 after 6 p.m.

79 PINTO - 4 spd., very good cond., many new parts, avail. end of Jan., $950. Elizabeth, Ext. 3419 or 3005.

85 KAWASAKI KX80 - Moto Cross dirt bike, excel. cond., $650. Brett, Ext. 4904 or 929-4753.

SNOW TIRES - Sears Tractionex, H78x15, w/w, excel. cond., on rims, $50 ea. or best offer. Frank, Ext. 5107 or 277-0464.

77 CHEVY CAPRICE CLASSIC - 4 dr., a/t, p/s, a/c, am/fm, body and interior excel., needs cam. Ext. 3605.

81 CHEVY CITATION - 4 dr. hatchback, p/s, p/b, a/t, a/c, c/c, am/fm stereo, excel. cond., 53k mi., $3,100. Bob, Ext. 5308/3172 or 878-1731 eves.

74 DUSTER - a/t, p/s, new starter, muffler, snow-tires, runs well. Dave, Ext. 4360 or 269-5319.

Boats & Marine Supplies

VHF RADIO - Pearce/Simpson, 12 channel, excel. cond., $75; outboard motor, Johnson Evinrude, 2 HP. Brian, 757-1581.

Miscellaneous

REALISTIC STEREO - Clarinette 97, 8 track, am/fm turntable, quality speakers; Magnavox stereo, hi-fi console, $125; Wurlitzer organ, Spinet, solid cherry, model 4300D, multimatic percussion, $750. Lloyd, Ext. 3381 or 286-1024.

COAT - women's wool dress length, double breasted reefer style, Taupe, size 8, $80. Jean, 821-3963.

JUICE EXTRACTOR - Oster, new, $40; Sears electric lawn mower, $15; lg. clothes washer, $20. Victor, Ext. 2395.

MOVIE CAMERA - Argus Cosina, super 8 mm, sun filter and extras, $80; Sansui stereo rack system w/turntable and extras, $1,000; 10 gal. fish tank, w/Diatom filter and many accessories, $60. Mark, Ext. 5350.

MEXICAN HANDCRAFTS - and African violets, different colors. Ext. 3222 or 3755.

COMFORTERS - (2) twin, feather and down; (4) pillows, like new, $200. Ext. 4106 or 698-8675.

COUCH - stereo console, recliner, all in good cond., $30 ea. 878-1447 after 6 p.m.

EMPIRE GENERATOR - 1500w motor, w/4 HP Clinton eng., $50. Carl, Ext. 4711 or 286-0271.

TRANSFER SWITCHES - for electric generators, 20A, (6) separate circuits, $186 plus tax. J. Medina, Ext. 7636 noon or 654-3472.

PING PONG TABLE - roll a way, playback, like new. Carole, Ext. 3362 or 924-4097.

KILN - Paragon A-88, stainless steel, 17-1/2" x 18" deep, incl. 2 full shelves and 1/2 cones and stilts. 475-5448.

CLARINET - Signet special, recently fully repadded, excel. cond., $215. Dick, Ext. 4255 or 744-6794.

SKI BOOTS - size 3 1/2-5, $15; powder blue bib ski pants, size 5 jr., $10; portable typewriter, $25; 3" Oscilliscope, $20; canopy bed, $50; boy's jacket, Mighty Mac, size 14, new cond., $30. Jim, Ext. 3372.

PORTABLE TYPEWRITER - w/case, very good cond., $25. Ext. 4240 or 286-0295.

FURNITURE - den, l/r set, sofa, loveseat, chair, best offer; bathroom fixtures. Ady, Ext. 4531 or 331-3785.

EARTH STOVE - excel. cond., coal/wood burning w/stack, $350. 588-4703 after 5 p.m.

FIREPLACE GLASS DOORS - antique brass, w/2-spd. blower, matching tool set, all for $75; (2) hanging chandeliers, (1) antique brass, $35; (1) chrome, $25. 821-3762.

COAL - 3257-0447 after 6 p.m.

GODIN STOVE - 30" high, black, $250. 286-1165.

SKI BOOTS - Koflach, size 9, good cond., 3 or 4 buckles, $50 or best offer. Ext. 2914 or 286-3742 eves./weekends.

BRASS BIRD CAGE - Pagoda style, $10. Ext. 3681.

COMPACT DISC - "Swept Away" Diana Ross, played once, pefect cond., orig. $15.99, sell for $10. Ken, Ext. 2935.

SKI PACKAGE - Munari boots, size 10, K2 Skis, 170's Tyrolia bindings w/brakes, $150. 289-9528 after 6:30 p.m.

AUTOMATIC HUMIDIFIER - Westbend, $30. Willie, Ext. 4489 or 585-6271.

OVAL TABLE - light maple, 24x36, brand new, $80. Carmen, Ext. 4315.

Lost & Found

LOST - gold leaf earring, Bldg. 134 vicinity, 12/20/85. Melanie, Ext. 2456.

Car Pools

BABYLON/WEST ISLIP - driver needed for on-time car pool, 8:30 - 5:00 p.m. Mike, Ext. 2705.

TIDES AREA - 4th driver needed, 8:30 - 5:00 p.m. Sal, Ext. 2460.

Real Estate

Real Estate advertised for sale or rent is available without regard for the race, color, creed or national origin of the applicant.

For Rent

N. SHIRLEY - lg. studio, furn. w/kit., priv. ent., 1 person only, non smokers, no pets, 5 min. from Lab and stores, security, util. incl., $400 mo. 281-8044.

HILTON HEAD, S.C. - 2 bdrm. condo, golf & tennis, $300 week, winter rates. 585-9149.

BELLPORT - 2 bdrm. house, so. of So. Country, $600 mo., plus util. 286-1147.

BELLPORT - 1 family house, newly re-decorated, 2 bdrms., l/r, eik,, bath, no children or pets, avail. immed. 286-2005 between 12 & 6 p.m.

For Sale

PORT CHARLOTTE, FL. - W. Coast, 120'x125' property, high-dry land, walking distance to Peace River with direct access to Gulf, $18,000. 732-8216 after 5 p.m.

MIDDLE ISLAND - 1 bdrm., co-op apartment, recently painted, new additions, $48,000, immed occup., 8 mi. to Lab. 924-3320.

AQUEBOGUE - 20 mi to Lab, 3 lg. bdrm. ranch, fpl., 1/3 acre, full bsmt., 1-1/2 car garage, game room, brick BBQ, 1-1/2 bath, ohw heat, $125,000. 722-4644.

PT. JEFFERSON - Harbor Hills, 3 bdrms., 2-1/2 baths, 1 car gar., large den, l/r w/cathedral ceiling, d/r, eik, bsmt., patio, 1/3 landscaped acre, priv. beach rights, $170,000 by owner. 928-2803.

Wanted

HOUSE SITTER - dog walker, Dec. 28-31, Shoreham area. Andy, Ext 4210 or 821-1759 eves.

HOUSE TO SIT - going away on vacation or business, I will stay w/your house. Ext. 3671 or 736-2131 eves.

MATURE WOMAN - non-smoker, to care for baby at our home, Rocky Point, MWF, 7 a.m. to 3 p.m. 344-4063.

TRAINS - Lionel, American Flyer, accessories, any cond., brings good price. Carole, Ext. 3362 or 924-4097.

69-76 LOWER UNIT - 25 HP, Johnson Evinrude. Brian, 757-1581.

ROOMMATE - to share house in Yaphank, 7 min. from Lab., $250 incl. all. Jack, 924-3669.

CONDO. TO RENT - or house, Orlando, Fl. area, 2 wks., mid March. Tony, Ext. 3194.

AIR CONDITIONER - good running cond., 15,000/17,000 BTU's, reverse cycle preferred but not mandatory, reasonable, Ext. 3681.

Services

Services are listed as a courtesy to BNL employees. They are neither screened nor recommended by the ***Bulletin****.*

BRICK WORK - walks, patios, brick & sand, Belgium block, landscaping ties, custom decks. Tony, 698-9274.

HOME IMPROVEMENTS - roofing, siding, windows, doors, gutters/leaders, free estimates, guaranteed. 289-9238.

CHILD CARE - mature mother, on-site, daytime, meals, other children. Ext. 3126.

GENERAL CONTRACTOR - carpentry, extensions, dormers, garage conversions, basements, decks, kitchens, licensed. Jim, 698-2501.

BABYSITTING - my home in Shoreham, part or full time, experienced, reliable. Amy, 821-3373.

LICENSED ELECTRICIAN - reasonable rates, profess. work. David, 924-7762 eves./weekends.

BABYSITTING - mu home in Bellport, experienced, refs. Maryann, 286-2435.

ELECTROLYSIS - permanent hair removal, physician trained, licensed, free consultation by appt. 331-4768.

Classified Ad Policy

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

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

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

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

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

NAME (Please Print) .....

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

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