

Drill Details

On Wednesday, November 10, the Laboratory will conduct its second emergency exercise. It is expected to start some time after 3 p.m., and involve the general Laboratory population at about 4 p.m.

The warbling air horns are the signal of a safety threat. When they are sounded, all employees should proceed to the designated assembly areas in their buildings and await further instructions. **DO NOT GET IN YOUR CAR AND DRIVE OFF.**

This year, there will again be a total evacuation, but in a certain order, not everybody at once. The order will be determined by areas deemed to be hazardous according to meteorological conditions pertaining after a simulated accident at the HFBR. Employees in "hazardous" areas will be evacuated first.

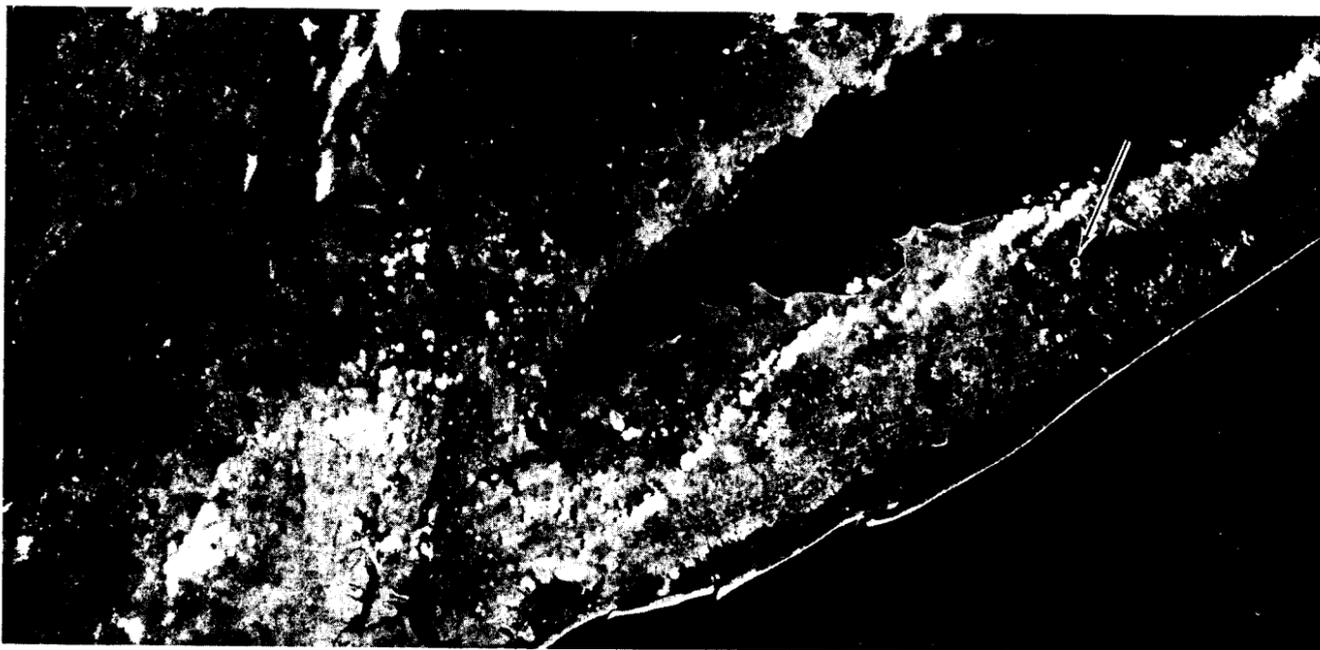
Because of its nature, the drill will take longer this year for some people and some may wait as long as 45 minutes before being notified that they may leave the site. So don't be impatient. The order to evacuate each building will be transmitted by phone to the safety coordinators at the designated areas. At the same time, they will be told what gates are open for exiting. If the site siren sounds, all employees will leave the site immediately.

Carpool members are asked to cooperate. The offsite assembly area at the entrance road to Parr Meadows is the location for reuniting carpools. It is important that emergency planners know whether or not this system is adequate. It is urged that when they are told they can leave the site, members of carpools get rides, from anyone they can in their area, to the road leading from William Floyd Parkway to the gate of Parr Meadows Race Track where their carpools will be reformed.

When the warning signal is sounded, those living in dormitory rooms should go immediately to the Recreation Hall (in the apartment area). Apartment area residents are to stay in their homes until the exercise is concluded, and should not leave their quarters before 5 p.m.

As soon as the warbling air horns are heard, no incoming traffic will be admitted to the Laboratory. Anyone who wants to gain admittance, such as shift workers, will have to wait at the gate until the drill is over.

Because of the simulation of an accident at the HFBR and the selective evacuation, no exact times can be given as to when the drill will begin and when it will end, but it is assumed that the exercise will have been completed by 5 p.m.



What's round, with a circumference of about 2.4 miles and a diameter of more than 5,000 feet? That's what NASA wanted to know after looking at this composite photo taken by the multispectral scanner aboard the spacecraft Landsat-4. Realizing that the circular mark on the eastern end of Long Island was in the vicinity of Brookhaven, NASA called BNL Public Relations who identified the circle as the tunnel constructed on site to house the Colliding Beam Accelerator. With the mystery solved, NASA released this image of New York City and the surrounding areas. The picture was the first one taken when the scanner was successfully activated on July 19, three days after Landsat-4 was launched from Vandenberg Air Force Base in California.

From BNL To Spaceship Columbia

Next week, Spaceship Columbia will take to the skies once again, with launching set for 7:19 a.m. EST on Thursday, November 11. But this time, many BNL'ers will be watching the flight's progress with special interest. Aboard Columbia will be Dr. Joseph P. Allen, who was at Brookhaven as a Guest Junior Research Associate from 1963-67.

During those years, Allen commuted back and forth between here and Yale University, doing independent research for his doctoral thesis. He used BNL's 3.5 MV Van de Graaff to study properties of nuclear energy levels in a nuclear reaction.

Brookhaven knew him as a nuclear physicist, but the same year he left BNL, he was selected by NASA as a scientist astronaut. In a phone interview last week, Allen said he made the switch "more due to circumstances than anything else. I applied and was accepted. NASA was looking for scientists to do experiments in space."

Allen also said that at the time, he was thinking about getting into higher energy physics. That, coupled with his general interest in space, led him to apply to the astronaut program.

Asked if his physics training pays off, his quick response was, "Every day!"

Allen, 45, will be one of two Mission Specialists on the November 11 flight, the first time Mission Specialists will join the two-man flight crew aboard

the Columbia. He and Dr. William B. Lenoir, 43, will do the first space walk for the shuttle.

The pair will simultaneously go out into the Columbia's cargo bay where they will spend about three hours testing their space suits' cooling and communications systems. They will also practice procedures that might be

used for an actual contingency space walk to close balky cargo bay doors, repair tiles or retrieve a satellite.

During his interview, Allen commented that the space suits are very cumbersome. "At least we will be in zero-gravity, which should be easier to move around in," he said.

(Continued on page 2)



In May 1970, astronaut Joseph Allen returned to Brookhaven to give a lecture entitled, "Is the Moon Really Just a Heavy Electron?" He came at the request of physicist Harvey Wegner who got to know him when he was at Brookhaven. Wegner recalled that Allen flew in from Houston and landed his jet at nearby Grumman. He also remembered that Allen's helmet was enlivened with a drawing of a space-suited Snoopy, compliments of Charles Schultz.

Transmission Project Reaches Full Power

A major goal in the development of the Power Transmission Project was attained last weekend. On Sunday, October 31, the system reached full power — 330 megavolt amperes (MVA) on each of two cables at the test facility.

The moment came at 4 o'clock p.m. when the current in the two 430-foot cables rose to 4100 amperes and the electrical potential reached 80,000 volts. Each cable carried 330 MVA of power — the equivalent of 1000 MVA in a three-phase system.

According to Eric Forsyth, project manager and division head of Advanced Technology Applications, the intensive effort that culminated in

this achievement began the previous Monday when project personnel began working 12-hour rotating shifts to initiate cool-down procedures.

Cooling is critical to achieving superconductivity — the essence of the Power Transmission Project. At very low temperatures approaching absolute zero on the Kelvin scale (-459°F), materials which are superconducting lose all resistance to electricity, allowing power to flow through them unimpeded. Since no energy-using electrical load is created, the electricity can travel along the superconductor from one place to another with virtually no loss.

The cool-down proceeded through-

out the week. "The temperatures got below 18°K on Saturday — the critical temperature for the niobium-tin superconductor," said Forsyth. "The speed with which cool-down was achieved is a testimony to the skill of the people who designed and constructed the cryogenic system."

"On Sunday morning, we decided to do the test," he continued. "Even though it was little warmer than we would like, it was cool enough to run it up to full current. By 3 o'clock we had reached a full 4000 amperes. Then we applied voltage. It went to 80,000 volts without any sign of electrical problems whatsoever."

"At 4 o'clock we applied both vol-

tage and current. That gave us the power — 1000 MVA — and we demonstrated that the whole system works."

Fittingly, the milestone comes on the 100th anniversary of the initiation of public power supply systems. In 1882, the Pearl Street Station in New York City was opened by Thomas Edison. Since then, underground transmission systems have risen in size to about 500 MVA, but more efficient methods are needed to get higher than this level. The Power Transmission Project, which is jointly operated by the Accelerator Department and the Department of Energy and Environment, may show the way to resolv-

(Continued on page 2)



"Two years ago, when Karen was four, she and some of her playmates were at a neighbor's home, where they ate some rat poison, which had been put out for troublesome squirrels. When Karen came home, she told us about the 'candy' and then complained about feeling sick. From what they told us, we figured out what had happened, and my wife called the Poison Control Center in Port Jefferson. They said to give the children syrup of ipecac, which we did. When we went to the hospital to check the children out, the doctor said it was a good thing we had acted quickly." — William Hempfling, Personnel

Help At Hand

United Way supports a wide range of voluntary agencies and hospitals. The Brookhaven employees who give testimony here are just some of the 600,000 people on Long Island who use the services of United Way, many without even realizing the connection.

BNL staff psychologist Judith Katsin is familiar with the resources of United Way and may be contacted by any employee in need of assistance. Dr. Katsin is in the Medical Department, Building 490, Ext. 4567.

Employees may also wish to stop by Berkner Hall on Tuesday, November 9, when seven United Way of Long Island participating agencies will have representatives on hand to answer questions about the services of their agencies. In the afternoon, a senior citizens' band, sponsored by the Salvation Army, will entertain with old-time musical favorites.

Brookhaven's United Way campaign will continue through next week. Pledge cards can be returned to department representatives, Payroll or Betty Pergan, Bldg. 179A.

—photos by Rosen



"My sister, Jackie, has participated in the program of the Association for the Help of Retarded Children for a number of years. It's a warm, wonderful place where the handicapped can work together, be together and not be considered different." — Bonnie Biittner, DNE



"Just before Thanksgiving, two years ago, my wife fell down the cellar stairs and broke both her arms. During her convalescence, I needed someone to take care of her, the house and the kids. The Home Care Service in Huntington provided an aide, and with the help of that person, my mother and a neighbor, things worked out." — Henry Danowski, Supply and Materiel



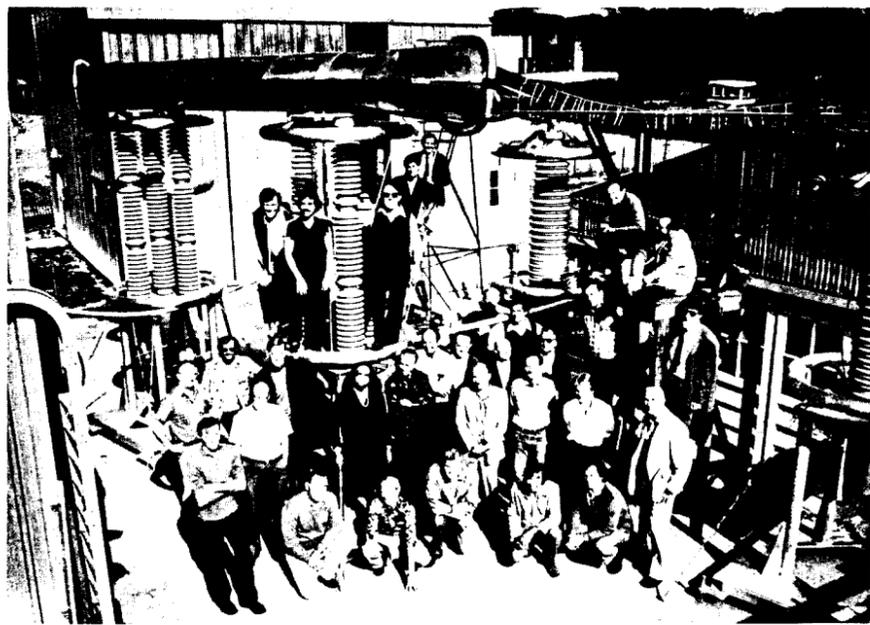
"One thing that's fun and rewarding about Boy Scouts is that it involves a cross-section of people in the community," says Richard Watson, Physics. Watson is Scoutmaster of Troop 4, which is based in Brookhaven and South Haven. The sons of several BNL employees are scouts in this troop, including Colin Forsyth (left), son of Eric Forsyth, Accelerator; and Daniel Bergoffen (center), son of Robert Bergoffen, Reactor.

Lecture Reminder

Geneticist Carl Anderson will describe his work on "Adenoviruses: Spies That Came From A Cold," at the next Brookhaven Lecture on November 10, at 8 p.m. in Berkner Hall.

In Memoriam

Norman A. (Bob) Still, died on November 2 at his home in Middle Island. He was 58 years old. Accounts Receivable Supervisor in the Fiscal Division, Still came to the Laboratory in May, 1947. He is survived by a sister, Peggy Florsz, of Mt. Sinai.



Mort Rosen

For the past year, personnel in the Power Transmission Project have worked to complete the terminations that connect power supplies with cables. Gathered around those terminations are some of the people whose efforts made this most recent achievement possible.

Power

(Cont'd)

ing this problem. The underground cable system is intended to demonstrate to utilities the practicality and cost-benefits of using superconductivity to transmit large amounts of electrical power over long distances and through congested areas.

With utilities in mind, the efforts of project personnel will now be directed towards such refinements as designing a joint for connecting cable lengths in the field and adapting the cryogenic system for commercial use.

Now, however, the Power Transmission Project is in the midst of an

electrical evaluation, a procedure that will take several months. "The measurement of what's going on is so complex it must be done by computers," Forsyth said. "But it's the people who made this happen. People all around the Lab contributed, not only in the Accelerator Department and DEE, but in the Central Shops and Plant Engineering."

"We used so many of the resources available at BNL," Forsyth concluded, "it points out that this is typical of the sort of thing the national laboratories are good at — a long-range, high risk research effort that has paid off."

Astronaut

(Cont'd)

Allen said he has never realistically experienced zero-gravity. "It's not easy to simulate. We can get short periods — 20 seconds at a time — by flying an airplane in a parabola. The other way we do it is to get into the space suits and make them neutrally buoyant in a large swimming pool. But that's still not very good, because you can see bubbles go up and tools drop down. You can't fool the mind."

Asked what he would be doing in the final week before launch time, Allen quipped, "Studying for final exams." He explained that the crew will be working on last minute details, going over simulations and reviewing procedures. He did admit that the previous three weeks have been an extremely busy time, but during the last week, "we will back off a little." The last week will also be spent in quarantine, which is, he said, "a biological isolation of sorts, for example, limiting the people we come in contact with."

The mission next week marks a number of "firsts" for Columbia. Besides the first flight of Mission Specialists doing the first space walk, this shuttle will be the first to carry and deploy commercial satellites into space. A business communication satellite and a satellite to provide domestic communications services for Canada will be the primary cargo on board.

Allen, Lenoir, and the flight crew, Commander Vance Brand, 51, and USMC Colonel Robert Overmyer, 46, will be aboard Columbia for five days, two hours and 13 minutes. Brookhaven people who know Allen will be listening for his voice during communications with the shuttle. Physicist David Alburger, who was group leader of the small Van de Graaff where Allen did part of his thesis work, says the astronaut has a distinctive mid-western accent.

Allen's home state is Indiana, says Vance Sailor, DNE. Sailor's wife, Marguerite, is Joe Allen's aunt by marriage, and during the years Allen worked on his thesis, he usually stayed with the relatives whenever he was on Long Island.

— Mona S. Rowe

Black Stereotyping Subject Of Lecture

Marguerite Ross Barnett, a professor of political science at Columbia University, will present a lecture and slide show on "The Politics of Black Stereotyping in American Popular Culture," on Wednesday, November 17, at 8 p.m. in Berkner Hall.

In previous talks elsewhere, Dr. Barnett has said that, although many groups have suffered ethnic stereotyping by American society, blacks have been stereotyped far more drastically and in a dehumanizing manner. To substantiate her view, Dr. Barnett has a collection of memorabilia which dates from the end of the Civil War to the 1940's and includes such items as mammy dolls, lawn ornaments, postcards, household utensils, and dartboard games with black-faced targets.

The lecture is sponsored by the Afro-American Culture Club and everyone is invited to attend.

Tea & Sherry Time

The leaves have turned, there is a chill in the early morning air, and almost all vegetables have been harvested. Fall has arrived, and now is the time to start thinking about indoor projects for the winter ahead.

For inspiration, the Hospitality Committee is sponsoring a Tea and Sherry Party on November 16, from 3:30 p.m. to 5:30 p.m., with the theme "Arts and Crafts." Demonstrated will be crafts such as knitting, weaving, quilting (by hand and machine), crocheting, spinning yarn, tatting (making lace by hand), and staining glass.

Tea, coffee and sherry will be served, along with a variety of homemade breads and an assortment of fresh vegetables and dips.

All women employees and wives of Laboratory employees and guests are invited. Babysitting will be provided free of charge in the gymnasium.

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, 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 Personnel Placement Supervisor, Ext. 2882.

The vacancies listed below have been exempted by the Director's Office from the current freeze on open requisitions.

OPEN RECRUITMENT: Opportunities for present Laboratory employees and outside applicants.

1791. **TECHNICAL POSITION** - Requires AAS degree or equivalent experience. Duties include the test, assembly and maintenance of vacuum hardware and systems, plus acid cleaning of hardware. Vacuum experience required. National Synchrotron Light Source Division.

1792. **MEDICAL ASSOCIATE** - Requires BS in biology or equivalent. Duties include preparation of reagents, aseptic technique, slide staining, and small animal surgery. Work involves the study of the effect of magnetic fields on biological organisms. Medical Department.

1793. **MEDICAL ASSOCIATE** - Requires BS or equivalent in biology. Experience in chemistry is desirable. Must be willing to work with animals. Medical Department. (Reposting of Job No. 1762)

Autos & Auto Supplies

75 TRIUMPH TR6 - good cond., \$3,000. Ext. 5053 or 472-1735 after 6 p.m.

79 HONDA - CM400T, 2,000 mi., garaged, must sell, \$1,000. Ext. 7125.

79 HONDA HAWK - 400cc, better than new, asking \$995. 588-0805 eves.

SNOW TIRES - (2) F-78-14 w/rims, good cond., both for \$40. Noreen, Ext. 2815 or 727-9016.

73 OLDS - Delta 88, good running cond., needs body work, new muffler, \$600. Henry, 727-3830.

80 MUSTANG - 6 cyl., hatchback, excel. cond., p/s, am/fm stereo, 30,000 mi., \$4,995. 878-8085.

79 SUBARU - station wagon, 4 WD, a/c, stereo, 34,000 mi., mint cond., \$4,900. 924-3570.

73 BUICK LeSABRE - custom, excel. cond., must sell, \$800. Ext. 2226 or 331-3445.

81 HONDA - 750K, black, windshield, crash bars, sissy bar, \$1,650. Jim, 467-8814.

71 DODGE DEMON - 6 cyl., auto., p/s, clean in & out, radials, \$700. Joe, Ext. 7961 or 878-2655 eves.

76 MONTE CARLO - white/red Landau, p/s, p/b, p/w, very good cond., asking \$2,950. 924-8817 before 6 p.m.

69 FIREBIRD - convertible, p/s, new clutch, brakes, balljoints, top mags & tires, good cond., \$2,500. Scott, 399-1157 or 281-1862.

76 TOYOTA COROLLA - 4 dr., 4 spd., radials, good cond., must sell, \$2,000. Mike, Ext. 3537 or 473-2487.

77 PONTIAC VENTURA - mint cond., p/s, p/b, a/c, custom, am/fm stereo cassette, V6, only 68,000 mi. Ext. 3580 or 3639.

70 DODGE WAGON - Coronet, 72,000 mi., 4 steel radials, new muffler, \$500. Tony, Ext. 3658 or 3637.

SNOW TIRES - (2) G78x14, polyglass, w/w, fair tread, \$50. Sam, Ext. 4749.

70 FIREBIRD - blue, good running cond., asking \$1,000. Kathy, Ext. 3217.

70 CHEVY - 4 dr., 28k on eng., good cond., \$500. Ext. 2023.

72 OLDS - a/c, 8-track, am/fm, clean, good running, just tuned, winterized, asking \$650. Frank, Ext. 4113.

74 VOLVO 164 - immaculate, green/saddle, sunroof, Bilsteins Blaupunkt, a/c, a/t, reg. gas. Les, 736-1884 eves.

SNOW TIRE - Michelin radial, 230x15, excel. cond., \$25; (4) Cadillac hub caps, \$25. Ext. 4173.

76 FIAT 131 - 2 dr., 5 spd., a/c, asking \$1,500. Ext. 2521.

69 VOLVO WAGON - 145, rebuilt engine, trans., 4 spd., new exhaust, am/fm cassette, radials, \$1,300. Ext. 4098.

75 CHEVY VAN - custom interior/exterior, mags and tires, am/fm 8-track, power amp, equalizer, asking \$3,000. 286-8582.

71 VOLKSWAGON BUG - semi-auto., am/fm stereo, \$650. 281-6745.

78 KAWASAKI KZ400 - very good cond., 9,000 mi., well maint., new sprockets, chain and tire, saddle seat, roll bars, sissy bar w/rack, \$1,000 firm. 281-0360.

SNOW TIRES - (2) w/w, E78-14, Jetson Supertrac, used 3 mos., \$55 per pair. Ext. 2492.

TUNE-UP KIT - RAC dwell meter/tachometer and timing light (non-inductive) with instructions, \$20. Ext. 2366.

75 FORD ELITE - 351 auto., am/fm stereo, p/s, p/b, a/c, red w/white top, excel. in and out, \$1,195. 928-9639.

RIMS - (2) 14", for GM model, \$15. 473-4471.

75 PLYMOUTH FURY - 2 dr., small V8, winterized, very good cond., \$2,100. Barbara, 399-0232.

73 VW THING - 50,000 orig. mi.; 1968 VW convertible, restored, mint, \$2,500 ea. Dick, Ext. 3499 or 589-9103.

75 DODGE DART - good cond., p/s, auto., a/c, am/fm stereo 8-track, (2) snow tires, \$1,600. Ext. 7570 or 3125.

75 VALIANT BROUGHAM - 4 dr., 6 cyl., auto., radials, p/s, p/b, plush interior, heavy duty sup., \$2,500. Joe, Ext. 7961.

67 CHEVY VAN - dependable running cond., good tires, standard shift, reg. gas, \$450. 288-2385.

78 VW RABBIT - am/fm stereo, 4 speakers, radials, 30 mpg, excel. cond., \$3,200, must sell. Bernardo, Ext. 3419.

80 PONTIAC SUNBIRD - brown, auto., a/c, am/fm, excel. mpg, 35,000 mi., excel. cond. 981-5993 after 6.

74 FIAT 128 - 4 spd., new radials and brakes, body and interior good, engine needs work, asking \$450. 924-3281.

71 DUSTER BODY - glass, power train parts, 3 new mounted tires (E14-78). Steve, 744-3141 eves.

AVENGER TRAVEL TRAILER - self-contained toilet, shower, stove, fridge, heater, sleeps 6, asking \$2,200. Ext. 4094.

69 VW BUG - less motor, good for parts, \$100; 1970 VW motor, \$75; miscellaneous VW parts, engine hood, repair manuals, trailer hitch, tires, cheap. Frank, Ext. 2022 or 399-4480.

70 VW BUG - 16,000 mi. on prof. rebuilt engine, body good for parts only, \$350. 744-0024 eves.

75 TOYOTA COROLLA WAGON - a/c, stereo, 4 sp., \$2,200. Ext. 2475 or 751-4539.

Boats & Marine Supplies

DANFORTH ANCHOR - up to 20', \$15. Ext. 4312.

69 JOHNSON - 40 HP eng., for parts, \$50. 924-7723.

75 SHARPY - 20', glass over wood, excel. cond., \$475. 475-6978.

KAYAK - w/paddle and air bags, \$180. Ext. 2521 or 928-8379 eves.

72 COBIA - 19' with 1973 70 HP Chrysler outboard, extras, \$1,400. Mike, Ext. 2022 or 878-6859.

STARCRAFT - 14' aluminum, 1975 Chrysler 35 HP, 2 tanks, extinguisher, life jackets, anchor, canvas, trailer, \$900. Jeff, 286-0353.

Miscellaneous

HANDI-TALKIE - Yaesu 207R, PL, extra battery, speaker-mic, leather case, mint cond., \$225. 744-9677.

KEROSENE HEATERS - Radiant King, factory-sealed cartons, guaranteed, discount prices. Jim, 924-7665 eves.

GIRL'S BICYCLE - 16", like new, w/training wheels, \$25; 5 piece bedroom set, colonial, all maple, dark stained. 878-4556.

COAL STOVE - 2 yrs. old, like new, \$100. 399-5316 eves.

DINING ROOM - Haywood Wakefield, blonde oak table and 6 chairs, china, buffet, \$265. 281-8044.

STEREO - Emerson, am/fm multiplex receiver with built-in turntable and stereo cassette recorder, \$100. Don, Ext. 5373 or 286-0999.

CATSKILL RESORT - 3 nights/4 days, adult, includes transp., all meals, open bar, much more, \$135; dishwasher, good working cond., \$125, negotiable. 281-5605.

HITACHI COLOR TV - 13", new, \$250; Sony HME118, am/fm stereo, rec., \$150; bicycles, (1) 20", (1) 16", (1) 12"; x-mas tree; fan; humidifier; aquarium; plants, etc. Ext. 3125.

SPEAKER ENCLOSURES - Fisher MS127, 30 watt system, 40-20,000 hz, \$50 pair. Bob, Ext. 4551 or 475-3612 eves.

ARTLEY FLUTE - with case, good cond., \$70. Ext. 2502 or AT6-9482.

SCHOOL DESKS - two modern type, excel. cond., \$25 ea., or two for \$40. Ext. 3642 or 727-0364.

AIRQUIPT PROJECTOR SYSTEM - remote control, 12-100 slide reels, screen, \$45. Jack, Ext. 4411 or 5231 or 929-8287.

HART SKIS - 170 cm, Soloman bindings, \$60. Ext. 4312.

DRAFT INDUCTION UNIT - 10", good cond., complete, best offer. 589-3608.

LADIES BOWLING SHOES - size 10, like new, \$10; 14 lb. Columbia 3 dot bowling ball, \$12. Mickey, Ext. 3173.

COAL BIN - used one season, you haul, \$100. Ken, Ext. 5042 or 289-3917 eves.

ATARI GAME - \$100; Missile Command, Asteroids, \$20 ea.; Surround, Kaboom, \$10 ea. 727-0141 eves.

BEDROOM DRESSER - 5 drawers with matching night stands with drawers and 2 lamps, \$100. Ext. 4100.

COUNTER RANGE - Caloric Ultramatic, 4 propane burners, stainless steel finish, very good cond., \$100 or best offer; wall oven, w/infra-red broiler, Caloric Ultramatic, propane, stainless steel finish, very good cond., \$150 or best offer; kitchen cabinets and counters, all formica, various sizes, from a 12'x18' kitchen, good cond. and reasonably priced. Ext. 2492.

CASSETTE TAPES - BASF, Proll, blank, CrO₂, C-90, \$2.75 ea. Ext. 2521 or 928-8379 eves.

HOBBY HORSE - large ride'em, for 2 to 6 yr. old child, orig. \$60, now \$20; steel trike with 10" front wheel, \$15; electric open hearth broiler-rotisserie, like new, \$35; baby's wood dressing table with removable tray, \$25. 281-2471.

MEN'S/WOMEN'S RING - \$75; women's diamond set, large size, \$350; sterling silverware set, \$1,250. 475-0144.

LADDER BACK CHAIRS - set of 4, pine finish, excel. cond., \$120. Ext. 3366.

HIGH BACK CHAIR - upholstered, rust/gold, wooden legs and trim; cocktail table, best offer. 744-7033.

LARGE SOFA - with solid frame, wood trim, needs to be reupholstered, \$20. Ext. 2733.

FIREPLACE SCREEN - with andirons, 38" wide x 31" high, pull chain to open, \$10. Bill, Ext. 2906 or 929-6189.

MARTIN ALTO SAX - \$25; Bourdau clarinet (wood), \$40; Buscuier trumpet, \$99. Bill, 924-6724.

FIREWOOD - split, seasoned oak, 4'x16'x18", \$110 delivered. 732-2849 after 6 p.m.

ALPINE MILKING GOAT - registered, 1-1/2 yrs. old, also female kid, 7 mos. 363-2736.

COLD WATER TANK - 5 yrs. old, have city water now, \$40. Ext. 2384.

BOY'S BICYCLE - good cond. Walt, Ext. 7154.

FURNITURE - large 3 piece modern living room sectional set, gold color, like new, \$210. 589-2681.

DOUBLE BED - with bookcase headboard, dinette set; couch; tiffany style lamp; Garrard turntable; upholstered chair. 744-6874.

SCALLOPS - \$6 pint, \$10 quart, \$36 gal. Bill Stars, Ext. 4278 or 3371 or 298-9648 eves.

GERMAN VIOLIN - Swiss Alegro bow with case, excel. cond., \$550, must sell. 821-0137.

DESKS - with attached swivel seat, wood top and seat, metal frame, \$35 ea.; 1 cord firewood, you pick up, \$95. Vince, Ext. 4660.

WASHING MACHINE - needs some minor work, \$10; dryer, \$40. Ext. 7164.

CARPET - outstanding quality, almost new, salmon, 12'x10'10", \$100, also 2 smaller pieces. Jim, 751-0476 eves.

ATARI CARTRIDGE - Video Olympics, \$12. 744-8063 days.

15" COLOR TV - new picture tube and tuner, 3 yr. warranty, \$150; Whirlpool upright freezer, 20 cu. ft., 5-1/2 yrs. old, asking \$250. 751-6418.

SNOWPLOW - 8-1/2', 3 way hydraulic, operated w/pump & mounting frame attach., \$500. 473-4471.

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 Sale

MASTIC ACRES - 2 bdrm. house, w/w, s/s, oil hot water/heat, well insulated, full basement, low taxes, 50'x318', \$36,000. Ext. 3199 or 399-3797 eves.

SHOREHAM - 3/4 acre wooded building plot. Steve, Ext. 2023 or 744-0047.

SETAUKET - 4 bdrm. colonial, 2-1/2 baths, den, d/r, l/r, fireplace, central air, Beckett burner, 2 car garage, basement, immaculate, assum. mortgage, asking \$96,500. 751-6575 eves.

WAVERLY PARK - condominium, 2 bdrm. townhouse, new w/w carpeting, 5 new appliances, central air, Lilco gas/heat/hot water and cooking, 20 min. from Lab, \$37,500. Ext. 3199 or 399-3797 eves.

WADING RIVER - custom built, 4 bdrm. colonial, 2 baths, d/r, den, l/p, 2 car garage, full basement, private beach. Ext. 7727 or 929-4631.

Classified Ad Policy

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

- The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
- All items for sale or rent must be the advertiser's property.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Ads for the sale or trade of firearms will not be accepted.

- Ads not carried because of space restrictions will be held for publication in the next issue.
- 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.

- | | | | |
|--|--|---------------------------------------|---------------------------------|
| <input type="checkbox"/> For Sale: Autos & Auto Supplies | <input type="checkbox"/> For Sale: Miscellaneous | <input type="checkbox"/> Lost & Found | <input type="checkbox"/> Wanted |
| <input type="checkbox"/> For Sale: Boats & Marine Supplies | <input type="checkbox"/> Car Pools | <input type="checkbox"/> Services | <input type="checkbox"/> Free |

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

| | | | | |
|--|--|--|--|--|
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| | | | | |
| | | | | |

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

NAME (Please Print)

Employee's Signature

Life No. Ext.
Send to: Brookhaven Bulletin, Building 134 (Ext. 2345).

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

PORT JEFFERSON STATION - 3 large bdrms., d/r, full basement, excel cond., 1/3+ acre on quite nondevelopment street north of 25A, near stores and RR, low taxes, low 50's. Ext. 3388 or 331-3329.

MEDFORD - condominium, Birchwood at Blue Ridge, 15 min. from Lab, 3 bdrms., many extras, facing golf-course, 50's. 698-7213.

For Rent

MILLER PLACE - 4 bdrms., f/p, l/r, d/r, enclosed porch, beach privileges, most furnishings, quiet neighborhood. Ext. 4250 or 331-9017.

VERMONT - 3 bdrm. house, f/p, fully equip., beautiful view, woodland trails, x-country and downhill skiing, woodcraft and doll house shops, reasonable vacation, family oriented, avail. weekly or weekends. 732-6499 after 6 p.m.

BAYPORT - 1-1/2 acres, 3 bdrm., l/r, kit., 2 car garage, partially furn., oil hot water, Nov.-May, \$600/mo. or for sale \$150,000. 472-2633 after 6 p.m.

Car Pools

ROCKY POINT - new employee would like to join car pool. Chris, Ext. 3744.

BABYLON/WEST ISLIP - driver wanted for 4-person car pool. Ext. 2500.

SHOREHAM - paying rider, 8-4:30 or 8:30-5. Vince, Ext. 4660.

Wanted

RIDE - from Mastic to Lab, 8:30-5:00. Ext. 3301 or 281-6108.

HOUSE TO RENT - W. Hampton beach, base housing year round, needed immed., ref. avail., can afford \$300-\$350/mo., may consider relocation also. 288-6367.

REPAIRMAN - to repair Admiral (20) refrigerator, reasonable rate, Lab employee, free estimate. 288-6367 eves.

JUKE BOX - good cond., reasonable; saxophone for beginner student, reasonable please. Ken, Ext. 5042.

HOUSEKEEPER - Shoreham. Ext. 3665 or 744-4611 eves.

SNOW TIRES - (2) G75-15 or H78-15, no radials. Bill, Ext. 2906 or 929-6189.

LOCKSMITH - key duplicating machine to buy. Ext. 3301 or 281-6108.

LOVING HOME - for good watchdog, shepherd/schnauzer mix, spayed female, affectionate. Lois, Ext. 2959 or 751-0023.

SNOW PLOW BLADE - 7' or 7-1/2' angle, meyers must be solid. Dick, Ext. 3499 or 589-9103.

PERSONS - interested in skiing Whiteface mountain, Lake Placid, Jan. 28-30. Bea, Ext. 3571.

HOT AIR FURNACE - used, oil fired. John, Ext. 4976 or 744-4386.

Services

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

WATCH REPAIR - no Timex, no electric. George, Ext. 3536.

CHILD CARE - loving and experienced mother. Tova, 924-4991.

PAINTING - panelling, wallpapering, carpentry, refs., free estimates. John, 924-5012.

CARPETS INSTALLED - repaired, quick dependable service, free estimates. Jim, 821-0187 after 5 p.m.

GENERAL CONTRACTOR CARPENTER - extensions, dormers, garage conversions, basements, decks, kitchens, licensed. Jim, 698-2501 after 5 p.m.

LICENSED ELECTRICIAN - reasonable rates, pig-tailing, aluminum wiring, discounts over 50 outlets. 744-0722.

FIRESIDE CHIMNEY SWEEPS - fireplaces, wood, coal and oil flues, dustless removal, Lab discount, insured. Bill, 584-6425.

BLINDS - verticals, mini's, wovenwoods, discount prices, complete installation. Tony, 928-9241.

BROOKHAVEN BULLETIN

Published weekly for the employees of BROOKHAVEN NATIONAL LABORATORY

BERNICE PETERSEN, Editor
MONA S. ROWE, Assistant Editor
ANITA COHEN, Reporter

35 BROOKHAVEN AVE., UPTON, N.Y. 11973
Telephone (516)282-2345

Engineers Review

A change has been announced regarding Part A of the Professional Engineers Licensing review course which is being offered on site by Suffolk County Community College. The class will start on Tuesday, November 30 and will continue on 14 consecutive Tuesdays from 5:15 to 9:15 p.m.

Registration is taking place now through November 10 in Room 112, Bldg. 460. For more information, call Renee Flack, Ext. 3316.

Arrivals & Departures

Arrivals

Charles Balsamo Plant Eng.
Michael W. Capizzi Plant Eng.
James A. Grandi Accelerator
George W. Korn NSLS
Robert W. Lamb, Jr. Central Shops
Frederick T. Maier Central Shops
Fred L. Nesbitt Energy & Env.
Michael J. Niewiarowicz Reactor
Thomas Trojanowski Accelerator
Dollie L. Turpin Plant Eng.

Departures

This list includes all employees who have terminated from the Laboratory, including retirees:
James R. Bethin Energy & Env.
Edward W. Grohse Energy & Env.
Prasad Koka Biology

Motorcycle Club

A meeting of the Motorcycle Club will be held on Monday, November 8, at 5:15 p.m. in the Recreation Building. If available, the T-shirts will be distributed, and winter activities will be discussed.



Peter Horton

The pumpkin sitting on the table weighs a whopping 61 pounds, 12 ounces, and greatly overshadows the smaller one set beside it for contrast. The pumpkin was the subject of the cafeteria's annual "guess-the-weight-of-the-pumpkin" contest held last week. Joseph H. Whelan (right), a painter with Plant Engineering, sized it up at an even 62 pounds — but so did Roger Carr of Chemistry. The two entries were the closest to the pumpkin's actual weight, so a cafeteria customer was enlisted to draw the winning name. Whelan was chosen and received his impressive prize from Jim Gravina, assistant manager at the cafeteria. Then Whelan presented the pumpkin to his two grandchildren as a Halloween treat.

Notice

Because of the drill on November 10 and the Lab holiday on November 11, a short Bulletin will be distributed on November 12. The Friday deadline for classified ads remains the same; all other material must be submitted by noon on Monday, November 8.

Pesticide Safety

With the growing season over, the Cooperative Extension Association of Suffolk County offers some tips on proper methods for storage and disposal of pesticides.

Storage:

- Always store pesticides in their original, well-labeled, tightly-sealed containers.
- Store containers in a separate location far away from food, feed or seeds. In choosing a location remember that weed killers such as 2-4-D are highly volatile and could contaminate other materials, especially in close quarters; herbicides should always be stored outside the house to avoid contaminating sensitive houseplants; and liquid pesticides should not be stored where the temperature will fall below 40°F.

- Store glass containers inside metal cans (such as empty coffee cans) to contain spillage in the event of bottle breakage.

- Lock storage area securely and place an obvious warning sign on it.

Disposal:

Small amounts of old unusable or unlabeled pesticides, as well as empty containers, should be wrapped in thick layers of newspaper, labeled as pesticides and kept locked up until just before the trash is collected. At collection time, place them securely in the trash can.

Bowling News

White League

The Diamonds are in first place followed by the Pacers. D. Adams had games of 211/194/566 scratch series, B. Sells 210, J. Griffin 202/234/603 scratch series, J. Mayeski 200, S. Long 172, N. Erickson converted the 4/5/7 split twice.

Red/Green League

R. Larsen rolled 203/216/600 scratch series, K. Asselta 225/200, J. Cochrane 200.213, R. Sick 225, J. Morris 212, E. Sperry IV 209, J. Medaris 206, R. Wiseman 205, R. Jones 201, H. Arnesen 200.

Pink League

F. Briening bowled a 160, D. Johnson 163/171, M-G Meier 160, H. Keeley 183/170.

Cafeteria Menu

Week Ending November 12, 1982

| Monday, November 8 | |
|--|--------------|
| Cream of chicken soup | (cup) .65 |
| | (bowl) .75 |
| Cheddar beef steak & 1 veg. | 1.80 |
| Scalloped ham & potatoes | 1.85 |
| Hot Deli: Pastrami | (bread) 1.85 |
| | (roll) 1.95 |
| Tuesday, November 9 | |
| Beef barley soup | (cup) .65 |
| | (bowl) .75 |
| Beef teriyaki on white rice | 2.05 |
| BBQ spare ribs w/ baked beans & potato salad | 2.00 |
| Special Dinner | |
| Prime rib of beef | |
| Choice of: | |
| Fresh broccoli spears or glazed baby carrots | |
| Baked potato w/ sour cream or Rice Pilaf | |
| Plain jello and cup of coffee, tea or small soda | |
| | \$3.90 |
| Wednesday, November 10 | |
| Split pea soup | (cup) .65 |
| | (bowl) .75 |
| Chicken cacciatore & 1 veg. or w/ spaghetti | 1.90 |
| Old-fashioned beef stew on egg noodles | 1.95 |
| Hot Deli: Sausage Reuben | 1.90 |
| Thursday, November 11 | |
| Snack Bar Service — 9 a.m. to 2 p.m. | |
| Friday, November 12 | |
| Boston clam chowder | (cup) .65 |
| | (bowl) .75 |
| Pepper steak on white rice | 1.95 |
| BBQ fresh ham & 1 veg. | 1.95 |
| Hot Deli: Swedish meatball hero | 1.90 |



For Plant Maintenance, dial 2468

Your office will never be in the condition of the one illustrated here by Roger Bailey, a design engineer in Plant Engineering. But if your lights go out, or the heat turns cold, the extension to call is 2468. That number will connect you with Plant Engineering's Maintenance Service Center where all requests for assistance will be registered and acted upon. In an effort to further centralize maintenance operations, extensions 3284, 85, 86 and 87 will be eliminated as of November 15, and 2468 will remain as the number to dial for all service requests.

St. Joseph's College At BNL In 1983

Beginning early next year, St. Joseph's College will be offering limited on-site courses toward a Bachelor's Degree.

St. Joseph's is an independent, co-educational college. It was founded in 1916, in Brooklyn, and now has a Suffolk campus in Patchogue. In 1974, St. Joseph's established the Division of General Studies.

Three degree options are available through the Division: Bachelor of Science in Community Health, Bachelor of Science in Health Administration, and Bachelor of Science in General Studies.

The Community Health and Health Administration degrees have been designed to provide health practitioners with up-to-date courses.

The General Studies degree offers

adults with non-traditional academic backgrounds, as well as those who have previous college coursework, an opportunity to attain a Bachelor's degree through a flexible course of study. Courses can be selected from several programs, including Business/Management.

The tuition rate is \$95 per credit. All other fees will be waived for courses taken at BNL.

For the Spring 1983 semester, beginning at Brookhaven in late January, the following courses will be offered:

- Management Ethics — Mondays, 5:15 to 8:15 p.m.
- Principles of Finance — Tuesdays, 5:15 to 8:15 p.m.

For further information, contact Renee Flack on Ext. 3316.

Mentors Wanted

The Middle Country School District is seeking volunteers to share their knowledge and abilities in a "Head-to-Head" program for students with special gifts and talents, grades 4 through 11. Persons who would like to be mentors for highly able students should call Glenn Price, Office of Academic Relations, Bldg. 460, Ext. 3336.

Rifle & Pistol Club

The regularly scheduled club meeting for November 10, has been postponed to the following Wednesday, November 17.

The rifle team meets at the Patchogue Armory on the first and third Thursday of each month from 7 to 11 p.m. The pistol team meets at the same place on the second and fourth Thursday during the same hours. Anyone interested may call Ed Elliott, Ext. 4636 for rifle, and Otto Jacobi, Ext. 4406 for pistol. For information on trap shooting, call Vincent Lettieri, Ext. 4092, or Tom Nepsee, Ext. 2613.

Runners' Corner

Congratulations to our runners who ran the New York Marathon on October 24. The start for some was slow due to the 16,000 runners participating.

Gus Prince (DNE) had a 3:23:23 time after overcoming the slow start; 33 minutes for the first three miles. Dennis Nordstrom (Phys. Rev.) a veteran of seven marathons, ran his best time of 3:20:26. Skip Medeiros (DEE) completed his second New York marathon in 3:33:43. Stan Lekach (DNE) had a 3:36:05 for his first marathon. Luis Lederman (DNE) a visitor from Brazil, did his first marathon in 5:09 and said he enjoyed every minute of it. He had a video tape made of the event and it will be shown at a forthcoming winter mini-clinic.

Wen-Shi Yu (DNE) could not get into this year's New York marathon but she ran some other great races recently. On October 2 in the Avon Women's half-marathon, she did a 1:32, a personal record; October 3 she ran the SRI Chinmoy marathon (Queens) in 3:27, giving her a second in her age group. On October 17 she was the first woman overall finisher in the Ridgefield, Conn. marathon in 3:31.