



Myron Pratt, foreman of the grounds division of Physical Plant (foreground), and his assistant, Bill McRitchie, are two of the first MIT employes to enjoy the good spring air. They are pruning trees in the old Tech Block area--part of the clean-up period--preparatory to lawn planting and repair, and other outdoor jobs involving campus upkeep.

NEW OPERATIONS

An association of twenty years' standing between the Institute and the Navy moved into a new phase last week. The Navy and the Franklin Institute of Philadelphia signed a contract under which Franklin will assume responsibility for a broad range of Naval studies including those of the MIT Operations Evaluation Group.

The modern art of operations research was begun under the leadership of MIT's Philip M. Morse, Professor of physics and Director of the Computation Center, during World War II. At the end of the war, the Navy, wishing to continue the development of the new technique, organized OEG, managed since then in the interest of the Navy by MIT. Dr. Jacinto Steinhardt has directed OEG throughout its life, with principal headquarters in the Pentagon.

Involved locally in the transfer to Franklin Institute is the work of the Applied Science Division of OEG, located at 292 Main Street with 35 people under the direction of Hugh J. Miser, and also the Institute of Naval Studies, about the same size and located on Alewife Brook Parkway, a division of the Institute for Defense Analyses of Washington, D.C. Present indications are that Franklin Institute will wish to continue these Cambridge operations under consolidated management.

Vice President James McCormack, who was in Washington when the contract between the Navy and Franklin was signed, pledged the continuing support of MIT for the program.



L. to r., Daniel Sullivan, Betsey Chatfield and Dr. Livingston at CEA.

ACCELERATOR SCORES

Telegrams from scientists throughout the world flowed into Cambridge recently. The message: "Congratulations." The reason: The \$12-million Cambridge Electron Accelerator, built and operated jointly by Harvard and MIT with funds from the Atomic Energy Commission, had produced its first electron beam. After more than three years of careful planning and building ("It's put together with the precision of a fine watch," said one physicist), the giant synchrotron was ready to take its place in the international family of particle accelerators that are probing at the fundamental secrets of matter.

The doughnut-shaped accelerator, 236 feet in diameter and buried under tons of concrete and earth just off Oxford St. on the Harvard campus, last week produced a beam of electrons

with an energy of 3.2 billion electron volts--the fastest, most energetic most intense electron beam in the world. The accelerator is expected to operate at its designed peak of energy--6 Bev.--within a few months. With it, physicists here will be able to study the stable parts of atoms--protons, neutrons and electrons--as well as the 30 or so short-lived particles--mesons, hyperons, anti-protons, anti-neutrons and others--whose meaning so far is a deep puzzle to modern physics.

In operation, the accelerator will consume enough electricity to power 40 medium size television stations. The CEA staff numbers 125 scientists, engineers, technicians and others and is headed by director Dr. M. Stanley Livingston, MIT professor of physics.

Faculty, students and researchers at Harvard, MIT and other research centers will conceive and conduct the experiments using the machine and will be assisted by CEA staff members. A steering committee with membership drawn from MIT and Harvard will have over-all supervision over the CEA and will screen scientific experiments to be performed there. MIT representatives include Provost Charles H. Townes, Vice President Carl F. Floe, and Professors Martin Deutsch, Bernard T. Feld and Louis S. Osborne, all of the physics department.

Included on the staff are two who previously worked on the MIT campus. Betsey Chatfield, now secretary in the CEA director's office, formerly worked in the Personnel Office and in the Alumni Office at MIT. Daniel Sullivan spent several months on the MIT campus as a technician helping Dr. Livingston with early design of the accelerator.

MIT FILLS THE BANK

The MIT community did it again. A goal was set and met.

The 1168 pints of blood donated in the annual Blood Drive at Kresge Auditorium (March 13-16) more than doubled the total amount (581) donated last year. And, to top it off, MIT's drive is the best 4-day blood drive the Cambridge Red Cross has ever had.

Students, faculty, staff members, employes and wives swarmed into Kresge during the four days. Volunteers came in such numbers the first two days that the Red Cross squeezed in two more beds. The Tech Matrons and Dames were kept busy by the steady flow, as very few who were scheduled failed to show up. Also, people were cooperative in that if they were sick, run down, etc., they called in so that their appointments could be given to others.

What happened to the blood? Some of it has already been used in local hospitals where operations requiring whole blood had been postponed awaiting a supply. Whole blood keeps for only 21 days. Most of the blood we gave will be used for transfusions within that time. If any is left, it will be fractionated and the plasma and gamma globulin used for other kinds of operations, for shots against measles and polio, and for research.

You or any member of your immediate family can draw against the MIT account from any

Red Cross regional blood bank in the U.S. Your requests are processed through the MIT Medical Dept. If you should draw on the bank later in the year, undoubtedly you will be using blood donated by another Cambridge organization.

The 1962 MIT blood drive chairman, Associate Professor Raymond F. Baddour of Chemical Engineering, feels that the success was due to a general good-will spirit and the cooperation of all those involved--solicitors, workers, volunteers, donors and would-be donors.



Miss Bartlett

PILLAR IN THE LIBRARY

Variety accompanies her job. This week, Eleanor Bartlett, keeper of MIT archives and gifts librarian, is supervising the moving of duplicate material from the storeroom (eighth floor of Bldg. 10) to the basement of Bldg. 14. What will it be next week?

Miss Bartlett may continue reclassifying all material on the shelves in the mezzanine--the archives section--of the Reserve Book room (14N-132) or she may probe the records for information or an old photograph needed by the Alumni Office. In between, she may find time to work on the collection of tapes she eventually hopes to catalogue which contain important lectures and commencement addresses. Or a gift may arrive--as did a section of the original Atlantic Cable recently--and she will accept it and then decide where it should be stored or displayed.

Bound copies of MIT publications are kept on the shelves in the mezzanine and make it easy for Miss Bartlett to compile information for "Publications and Theses," a supplement to the annual President's report. Some of the stored prize possessions she guards include many early letters of MIT's founder, William Barton Rogers, and autographs of Massachusetts' governors John Hancock through David I. Walsh.

Eleanor Bartlett has served MIT for 24 years. She has been a typist, stack supervisor, assistant at the circulation desk, a general assistant, and has supervised the collections' library, map room and rare book room. Also, she was founder of the MIT Sale--where duplicate journals, books, etc. sell for 10¢ ea. (the money goes to a library fund for special projects).

A MAN WITH A TAM

Even though he works the night shift, Scotsman Harry Nicoll is a familiar figure at the Instrumentation Lab.

Scottie--as IL personnel know him--has made many friends, for daily between 4 and 5 p.m. he covers the first through the fourth floors in the Whittemore Bldgs. checking all the light fixtures. After he has completed this duty and greeted his friends--in his own Scottish way--Scottie then reports to the foreman to see what is in line for repairs that night. His jobs may range anywhere from finishing up a paint job to fixing air or vacuum lines.

Since 1923 when Scottie and his wife arrived in the U.S., the two have spent vacations traveling all over the country and in Canada and Nova Scotia. They have visited every National Park in the U.S. and their record year for automobile miles covered was 1953 when they drove 10,000 mi. in 30 days. The Nicolls, last summer, vacationed in Scotland--their native land--and England.



Scottie and tam.

FOR SALE ETC.

Spalding "autograph" clubs: 5 irons, 2 woods, bag, hardly ever used, \$50. Ext. 2952 or WA4-2772.

New sterling silver bowls, candlesticks, etc. Never used. Far below store prices. EL4-1371.

6 pr mod printed drapes, gray background (enough for 20ft wall). \$20. Call ext 4489, Charles flatterman.

2 Siamese male Sealpoint kittens. Born Jan. 23. \$35 ea. Call RI2-0953.

2 Wrought iron sling chairs w/sturdy leather slings. Like new. \$25 for both. \$15 ea. Mrs. Peters, ext 2748.

'61 Baby carriage, comb. stroller & carriage. Used only 3 mo. CO6-0552 or G. Sharib, ext 2527.

Small old nylon-string lady's guitar. Fine tone, needs some repair. \$50. Call Paul Feldman, ext 2677 or IV4-8717.

Martin Guitars, very fine, old (up to 100 yrs), steel string and classical. Banjos--from \$50 to \$400. Bill Ross, TR6-1194 evgs. Also Violins (will repair).

Upright piano in good cond. \$60. Call Mrs. J. Levine, ext 5329 or CO6-4094 after 6pm.

Ivory peau de soie, elbow length sleeves w/train. Size 11-12. Used once (Oct. '61). Cost \$155, will sell for \$65. GR9-8144.

\$33 tire, 800-15, tread almost like new. \$15. Call MI3-5947.

5 1/2 hp outboard motor, exc cond w/5 gal remote tank and storage stand. \$95. Call J. Dolan, ext 2179.

15 1/2' Lyman outboard, elec starting, 35 hp, Johnson motor, windshield, convert top, mooring cover, lights, seat cushions, trailer. Exc cond. John Paddelford, Lincoln ext. 711.

'60 10hp Evinrude outboard motor. Exc cond. Non-pressurized tank and hose. Also extension handle, stand & cover. \$165, ext 2187 or HI5-5223.

Harley-Davidson motor bike, 165cc: \$125 or best offer. Bob O'Shea ext 3451 or PR6-8241.

1200 watt elec heater, exc cond. Good for small camp. E. R. Babcock, ext 2816.

9.1 cu ft Westinghouse Refrig. 7 yrs. old. New, \$400, ideal for playroom-bar or summer camp. Will sell for \$40. J. McGowan, Lincoln ext 342 or BR2-0146.

RCA 17" TV console, mahogany, good working cond. \$35. HI9-0887.

"Realistic" tape recorder. Monaural. Purchased in Jan. Used once. Must sell. 2-hour tape incl., \$50. Ellen Teper, ext 3647 or 267-7863.

Pentron tape recorder, like new. Originally \$209.95. Asking \$85. Ext. 4813 or V16-3304 evgs.

Nikon F, fully auto reflex camera, f1.4, w/exposure meter, filter, hood and leather case. New and guaranteed, \$275 or best offer. T. Sata, ext 3229 or 491-0156.

Keystone 16 mm movie camera. Model A-12 and Revere 16 mm sound projector. Ted Quist, Lincoln ext 5329.

Flying to Europe? Tech Charter Flights have room. For information call Vijay Shah, CO7-4610 after 8 pm.

1 pr Norwegian skis & bindings. \$10. Nord, ext 2929.

Woman's Le Trappeur ski boots (shoe size, 6 1/2-7 1/2). Used 1 season, \$10. WO9-7330, ext 14.

Head skis, 6'9", w/Earl Miller bindings. Lady's Moletor boots, size 8 1/2. All for \$90. Call Barbara Williamson evgs at HI4-9565.

'30 Model A sports coupe, completely restored, \$800. F.K. Heron, Lincoln ext 443.

'50 Austin A40, 4 dr sedan w/sunroof. Very good mechanically, body and finish in exc cond. 2 new tires. \$150. Call Shag, ext 2147 or KI7-6521.

'53 Plymouth 2 dr sedan, R&H, good cond. Best offer. Call J.L. Pouany, ext 2227 or M. Turpin, ext 2381.

'54 Chevy, 6 cyl, std shift, \$150. Contact D. Isles, ext 4993.

'54 Ford, 2 dr, 6 cyl, good cond throughout. Must sell before Apr 10. Call Milan Dabovich, ext 3681 or BE2-7628.

'55 Chevy Bel-Air V8, 2-tone, sports sedan, auto trans, ww's, R&H, best offer. Call 396-6360 after 6 pm.

'56 Olds V8, R&H, power steering & brakes. New auto trans w/8 mo. guarantee. Good tires, 40,000 mi., \$700. Ext 4071 after 1 pm or RE4-3408 evgs.

'56 Plymouth Savoy, blk & white V8 auto trans. 4 new nylon ww's, R&H, one owner, 60,000 orig. mi. Many extras. Lewis, Lincoln ext 400.

'58 Opel Rekord, 2 dr, heater & snow tires, good cond. \$450. Call R. Logcher, ext 118.

'58 Saab, \$750. Orig. owner. A-1 cond, new tires & engine. S. Karp, ext 4962.

'59 Ford, 4 dr sedan, V8 auto trans, R&H, 5 good tires, 2-tone green, exc cond. Asking \$1150. John Donahue, ext 2522 or 427-2851.

'59 VW sunroof sedan, exc cond, 50,000 mi. Call Bob Morse, ext 3985.

'59 Vauxhall, R&H, B&W, red interior, 4 dr, exc cond, \$750 or best offer. Call 438-9557 anytime.

'60 Austin-Healey roadster, model 3,000, white w/red interior, exc cond. Extra added accessories. Call ext 4472-4475 or PA9-2994 evgs.

'61 VW, exc cond, one owner, 14,000 mi. Transistor R, ww's, windshield washer. Call Vito Augello, Lincoln ext 5571.

Arlington, 2 BR Cape, fireplace, master BR & LR (ea. 13x17), heated paneled den and lav in basement, \$18,500. MI8-2564.

3 BR brick ranch, lg landscaped yd., garage, flagstone patio, outdoor fireplace. Near shopping ctr. Billerica, \$13,500. C.M. Charneco, Rm5-310 or MO3-8800.

Lexington, 3 BR ranch, porch, back yd w/trees, exc school, shopping. Good neighborhood for children. \$19,500. VO2-8587 (7-10 pm.).

Needham, charming ctr-entrance ranch in desirable neighborhood, 6 rms, 2 fireplaces, garage, porch. \$21,500. Owner, HI4-0314.

Attractive 6 rm house in Belmont. Near schools and trans. Garden, brick terrace, basement office w/independent hall and entrance. Upper 20's. Call IV4-6833.

2 BR Cape, Arlington, 5 min. from MTA, 20 min from MIT by car. Attic rm. Finished basement w/fireplace. Garage. MI8-9289 or ext 2253.

Braintree, 3 BR ranch, LR w/fireplace, DR, mod built-in K, all appliances, 1 1/2 baths, study, garage. All rms redecorated. Car pool avail. \$18,000. Call Lieut. Johnson, ext 130 or VI8-0279.

'60 New Moon Mobile home, 10'x46', 1 BR, LR, K & bath, furn. Call L. Pease, ext 3238 or WE3-5475.

Furn Belmont sublet, June 10-Sept. 15. 4 rms, on MTA, \$85/mo. IV4-7656.

Summer sublet, near Radcliffe, LR, BR, K & bath, heated, furn, conven. to Harvard Sq., MIT. Option to cont. in fall. \$120/mo. Call S. Wagner, ext 3889.

Sublet apt. Pinckney St., Beacon Hill. 3 rms & kitchenette. Working fireplace, tile bath. For information call Pat McGroarty, ext 5163.

Sublet lg mod. 4 rm apt unfurn, heated. Basement, walk-in so much privacy and therefore exc for students. Located on Comm. Ave. Call Emily, ext 3837.

Sublet furn apt, June 1-Aug. 31. 2 rms & kitchenette. 384 Comm. Ave. \$115 or best offer. Call ext 733 or CO6-2521.

Sublet furn apt. 386 Comm. Ave. LR, BR, K & bath. For information, call Jane Pratt, ext 2713 or 2715. Also CO7-6987 after 8 pm.

Unfurn 5-rm renovated 1st floor apt in Brookline w/screen porch and garage. Good location. For rent. BE2-4175.

3 rm Belmont apt full furn for rent. Dishwasher, air cond BR, off-street parking. \$100 a mo. Call IV9-0331 after 6 pm.

Furn apt to rent on Beacon Hill. 1 rm, K alcove, & bath. Air conditioner & fireplace. \$100/mo. Mary, ext 797.

Furn 3 rm apt for rent summer from May 25. Mod. K, LR, Back Bay. Parking incl. CO2-1036.

Apt. Garden St., Beacon Hill. 1 rm, kitchenette, tile bath, completely furn. 1st floor. \$130/mo., heated. Hot & cold water. Linda Holland, ext 5195.

4 rm apt plus bath for rent near MIT. Avail Apr 15. Call UN4-2038 evgs.

6 rm apt for rent. Furn or unfurn. Summer sublet w/option to renew lease. 3 BR, LR, DR, lg K & bath. 21 Chester St., Allston, on MTA. 254-6489 evgs.

Furn apt. 2 rms, K & bath. 10 min. walk from MIT. Summer sublet w/option to lease. KE6-5319 after 6 pm.

Furn or unfurn apt for sublet. Harvard St., Camb., L, BR, K, bath. Avail June 1. Annmargaret Karlsson, ext 5164 or KI7-9551 after 6 pm.

Apt for rent. Crest of Mt. Vernon St., Beacon Hill. Windows across back side, open view, LR, BR, tile bath, K, \$125/mo. Call ext 2707.

4rm mod apt for rent. Watertown, \$135/mo. Avail any time after Apr 1. Garbage disposal & air-conditioner. Betty Freed, Lincoln ext 5432.

5 rm apt, \$125/mo. between Harvard and Central Sqs. LR/fireplace, DR, lg K, 2 BRs, 1 dkrm for photography or pantry. Avail May or June. Call ext 3792 or KI7-2408 evgs. Furn or unfurn.

Unfurn apt for rent. Comm. Ave., Brighton, LR, K, 2 BRs, bath, heated, \$105/mo. Call ST2-6461 or MI8-3969 evgs.

Wanted: '56 Olds 88. Call Phil Brager, Lincoln ext 456.

Taking trip this summer? Visiting Prof. w/wife & 2 children would like to rent your house and car from June 15 to Sept. 1. Call Crandall, ext 2244 or CL9-8319.

Wanted: car to rent. weekend, evgs, 1 hour or longer. Driver insured & experienced. Leave message, ext 2871.

Wanted: House or lg apt within walking distance of Widener Lib. Summer and/or fall. Ext 2649, OLS-0367, CES-1924. Barry Spacks.

Wanted: 2nd hand baby clothes (infant, 2yr old & 4yr old). Call PR6-5774.

Wanted: Ride from Lawrence to MIT. 8:30-5. MU3-9253.

Wanted: Several lg steamer trunks. Call CO7-6783.

Wanted: Coleman Gas stove. Call MI8-3153.

Wanted: Your boy for summer "Education Through Adventure" camp. Further information, MI3-6465.

Wanted: Woman's bicycle, Marianne, ext 4435.

Wanted: Between now and July, 2nd hand furn including juvenile furn and appliances in good cond. MI8-2942.

Wanted: Air conditioner for about \$25 or \$30. Leave message on ext 4565.

College Grad, 24, art historian, wants to work as sec'y or governess in exchange for living and/or travel in Europe, especially Italy. No time limit. Call Miss Dickson, TR6-9320 after 6 pm.

Wanted: Typing technical or non-technical papers and theses on IBM Exec.Type. Also, have some Greek letters. Call Diane Clough, ext 3494 or DA2-5949 after 6 pm.

Wanted: Typing, Maryann Macleod, ext 4462 or RE4-0059 after 5 pm.

Drafting and Illustration work, experience in ink tracings, lettering, thesis or textbook work. Reasonable rates. Call S. Kartan, 648-1688 evgs.

Wanted: Rmmate for summer (male) to share 3 rm apt. 10 min walk from MIT. \$60/mo. incl. all util. Call KE6-5319 after 6 pm.

Wanted: 1 or 2 rmmates (female) to share 4 rm apt w/K & bath. \$125/mo. on Revere St. Beacon Hill in June or earlier. Miss Schmidt-Juchel, ext 4557 or 227-0712 evgs.

Wanted: Pr of skis w/steel edges & release bindings incl. "kick-out" toe fixture. Desire about 5'9" medium camber. Call M. Pearlman, ext 3681.

Found: Charm bracelet, Lincoln Lab parking lot. R. Williams, Lincoln ext 335.

Found: Japanese Windproof lighter w/insignia. Call Joanne on ext 2846.

Lost: Pearl from ring, Mar. 15., 1st floor corridor. If found, please notify Carol, ext 3902.

Lost: Post 10" slide rule. Name J.W. Rogers marked in brown leather case. Call Marge Rogers, ext 2703.

Lost: Turquoise stone bracelet, silver chain. Reward offered for return. Please contact Mrs. Marto, ext 192.