

TECH TALK TECH TALK TECH TALK TECH TALK

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

April 22, 1971



Lincolmites Al Gregory, left, and Prescott Ward, preparing for Patriots Day festivities.
-Photo by John J. Dunn.

THE NEW PATRIOTS

Massachusetts's own holiday, Patriots Day, is coming into its own as a real celebration, rather than merely a day off for many people. This is particularly true in the towns of Middlesex County where thousands of men spend the winter months drilling in preparation for re-enactment of Revolutionary battles.

The revival of Patriots Day activities began in 1962 when the Concord Public Ceremonies Committee proposed the formation of a company of Concord Minute Men. A proclamation was issued calling for the mustering of this new militia to be composed of volunteer male residents. The first muster was called for January 12, 1963, and by April 19, the new Minute Men were ready for their first annual display.

Since then, groups of militia men and fife and drum corps have sprung up in many towns, leading to a much wider awareness of the meaning of the holiday. Among active participants in various groups are several men from Lincoln Laboratory. They include Bob England (Group 83), Vic Guethlen (Group 91), Al Gregory (Group 68), Tom Reed (Group 83), Dick Ruquist (Group 35) and Prescott Ward (Group 75).

THE MARATHON

While many of us spent Monday recovering from the result of that hockey game, a small group of employees and a student did something a little more demanding. They ran in the marathon.

Ray Ausrotas, '57, Larry Berman, '55, and Ed Connor of Draper Labs, Jim Daley of Lincoln, and Pete Borden, '72, all undertook the run from Hopkinton to Prudential Center. None managed to break into the list of the top 100 finishers, even though Berman, for example, has finished as high as 46th in past years.

Berman, captain of the varsity cross-country team as an undergraduate, has run in several marathons around the country. He, for one, thinks anybody who wants to run in the Boston Marathon, the biggest and most famous one, should be allowed to. "The colorful runners don't get in anybody's way in such a long road race," he says. The last two years, however, Marathon run-

ners have had to qualify by running a marathon somewhere in 3½ hours, or a shorter race in a prescribed time.

Members of the varsity track and cross-country teams don't run the 26-plus miles because the effort might well take too much out of them for them to be effective during the season. Borden was therefore the only undergraduate who ran.

CSF DRIVE

As an institutional citizen of the city of Cambridge, MIT takes an active role in the community's affairs. The sense of public concern at the Institute naturally brings forth many socially oriented programs which require MIT's manpower, know-how and financial support.

The Community Service Fund here backs many such projects. The fund supports the Roxbury Photographers Training Program, the Educational Warehouse, Tutoring Plus, groups concerned with the rights of tenants and welfare recipients, and several other training programs, particularly in technical fields. Most of these programs are guided by the Urban Action group on campus which functions as a personnel office and steering committee for the other organizations.

These programs help fulfill MIT's public and social responsibility. Tutoring Plus, for example, has been wholeheartedly accepted by parents and teachers in neighboring areas of Cambridge.

While the projects always welcome volunteers for work in various

areas, CSF's immediate concern is its annual drive for funds. The fund will need more than \$70,000 next year just to keep its present programs going, and in addition would like to get a few new projects off the ground. Some of this money will be provided by MIT and various charitable organizations, but the goal for donations is \$50,000.

THE PROBLEM SOLVERS

Most people don't know it, but MIT employs two full time social workers to help members of the community cope with all kinds of problems. Located in the Medical Department, they are Mrs. Jacqueline Buck and Mrs. Myra Rodrigues.

The social workers maintain an active liaison with other agencies in the area, as well as with other departments at MIT. They also have an endless knowledge of the community and its resources. Big problems, small problems, it doesn't matter—Mrs. Buck and Mrs. Rodrigues will always lend an ear.

Unlike most college social work agencies, our Social Service offers its facilities to everyone in the community, not just to students. MIT is a large, diversified group in which a wide variety of problems can and do arise.

For example, foreign student wives sometimes have difficulty adjusting to their new and strange environment. Their husbands are involved with school, they don't know many people, language may be a problem, and they often are not allowed to work while in this country. Mrs. Buck and Mrs. Rodrigues help them tap the resources of the community to find outlets for their interests and ways of feeling more at home.

Another trouble spot is the home. Social Service is concerned about any situation that affects the family—marital problems, unruly children, financial difficulties. Any kind of pressure at home can upset the balance of the family, as well as influence performance on the job. Mrs. Buck and Mrs. Rodrigues help the family think about the problem

constructively and offer suggestions for resolving it. Sometimes other agencies or individuals are asked to help, such as religious counselors, lawyers, school officials, psychiatrists or neighborhood social work organizations.

For most of us money is a never-ending worry. Illness in the family, large unpaid debts, fire or theft are just a few causes of financial headaches. Our social workers can help you explore eligibility for benefits and financial aids available in the community. They may also suggest ways of manipulating your environment to solve the problem.

Sometimes people who face retirement from work have difficulty adjusting to the unstructured life away from their job. Young mothers often have anxieties about raising their families. Pre-school children may have developmental problems which should be looked after. An employee may not be satisfied with his job and want to transfer to another. A student may be under pressure from his parents or school. An elderly member of the family may require nursing care or hospitalization.

These are just a few examples of situations that Mrs. Buck and Mrs. Rodrigues deal with. Many are quite simple and can be handled quickly, others are more complex and require a lot of time and care. Whatever the difficulty, our social workers are here to help.

WHITE ELEPHANTS, ETC.

The Cambridge Business and Professional Women's Club will hold its annual White Elephant Sale next Monday (April 26) from 10 a.m. to 2 p.m. in the Bush Room (Room 10-105). The sale will feature bric-a-brac, books, clothing, prints, jewelry and many kinds of home-made goodies—all at bargain prices.

Proceeds from this popular event will help support the Olive Libitz Memorial Scholarship, which will be awarded for the first time this year to a girl graduating from Cambridge High and Latin School. The Club has been working to build funding for a

scholarship for several years and decided this spring to name it for Miss Libitz. Miss Libitz, who herself was a graduate of CHLS, was an associate in the MIT Accounting Office for more than 28 years until her untimely death last year, and an active member of the Club.

STAR STUDENT-ATHLETE



Bruce Wheeler, '71, receives the NCAA award from Professor James M. Austin, MIT faculty representative to the NCAA.

--Tech Talk Photo.

Senior Bruce Wheeler, a standout athlete at MIT throughout his varsity career, has received a \$1000 scholarship for postgraduate study from the National Collegiate Athletic Association. Wheeler is sixth on the all-time MIT career scoring list in basketball and has an all-time career high of ten pitching victories on the baseball field. He has been captain of both the basketball and baseball teams for the past two seasons while compiling a 4.8 cumulative average as a double major in both humanities and science and physical sciences.

INSITE II

What do you do to keep track of seven million square feet divided into 15,000 distinct spaces in 120 buildings? Several years ago the Planning Office began assembling a data base and computer program to help the Institute inventory and use its facilities to best advantage.

The program which has emerged is INSITE II (for *Institutional Space*

Inventory Technique), a major breakthrough in the management of large, diversified properties. INSITE II can present very factual information, such as who is using a given space and for what purpose. But far more important, it can offer alternative proposals for new space usage, avoiding time-consuming manual research which was formerly necessary.

To get this kind of information from the computer, a user need not know any of the modern computer languages. The machine responds to English phrases, keywords and contractions. Now the Planning Office is refining the project further so that the computer can tell when a certain room needs painting or repairs. The Planning Office also has been asked by other universities to help them make better use of their space resources by using INSITE-type services.

SCHOOL WITHIN A SCHOOL

Every weekday morning, small students gather in classrooms at the east and west ends of the campus to participate in the varied activities of the Technology Nursery School. Carefully supervised activities include singing and games, arts and crafts and outdoor play. All activities are aimed at the emotional development of the children, according to Connie Parks, chairman of the Parents Operating Committee.

The Nursery School was started by a group of parents at Westgate in 1964. MIT administrators acted as trustees and set overall policy, but the parents handled the day-to-day operations, and assisted the trained teachers in the single classroom at Westgate. This sharing of responsibility produced happy parents, happy children and a remarkably smooth operation.

In 1967 Eastgate opened and with it, two more classrooms. Enrollment at the school has since grown to 90 students and includes children from all parts of the community.



A young student concentrates on an art project at the Nursery School.

--Photo by Margaret Foote.

Children from about three to four-and-a-half-years-old are eligible to enroll. School hours vary, with morning, afternoon and all-day sessions which meet two, three or five days a week according to the needs of the children and their parents. The classrooms at Eastgate and Westgate house the main activities, but outdoor playgrounds at both locations are used for freewheeling fun on pleasant days.

The school now employs a teaching director, Mrs. Bernice Hillman, and four trained teachers. Mothers—and occasionally fathers—still take turns helping out. Student teachers from nearby colleges are often available to assist the regular personnel.

Registration is now underway for the School's summer session, which will run mornings from June 28 to August 6. Tuition for the entire summer session is \$65. Interested parents should call Mrs. Linda Wilcox at 899-8018.

HERE AND THERE

—The MIT Pistol and Rifle Club will offer a new course in basic pistol marksmanship beginning April 29, and running for five consecutive Thursday evenings from 6:30 to 8:30. The course will be limited to

the first 20 adult members of the Institute community who apply. A fee of \$10 covers pistols, ammunition and targets used. Call Herald Sulahian, Ext. 3989, to sign up.

—The MIT Gilbert and Sullivan Society's production of the *Mikado* opens tonight (April 22) at 8 o'clock in Kresge Auditorium with additional performances on Friday and Saturday evenings. The set has been adapted from Japanese prints and costumes are copies from authentic Japanese fashions. Call Ext. 4720 for ticket information.

—Dr. T. William Lambe, professor of civil engineering, has been chosen by the U.S. Bureau of Educational and Cultural Affairs to lecture at the Universities of Sidney and Melbourne, Australia. While there he will also attend the first Australasian Geomechanics Conference.

—The Technology Dames will present their annual Spring Fashion Show tonight (April 22) at 8 o'clock in the Sala de Puerto Rico in the Student Center, with designs by Marimekko, Capezio and The Underling. Tickets are \$1.50 at the door.

—As part of WTBS's special Tenth Anniversary Programming, the station (88.1 FM) will rebroadcast "The November Actions: A Documentary" on Wednesday, April 28. The one-hour program won a Major Armstrong Award for programming excellence, the first ever awarded by the National Association of FM Broadcasters to a student-operated college station.

—The work of three MIT artists is featured in the April issue of *Materials Progress*. The sculptures include "Chess Set" by David Gelles, a graduate student in metallurgy and materials science. "Astroid" by C. Fayette Taylor, professor emeritus of mechanical engineering, and an untitled wall hanging by Tony Zona, engineering assistant in metallurgy and materials science. The works were included in the 1970 Metal Show sponsored by the American Society for Metals.

SPECIAL REMINDER

Turn your clock ahead Sunday night (April 25). Daylight Saving Time will begin then at 2 a.m.

FOR SALE, ETC.

Pr Austrian ski boots, sz 9½, used twice, \$30. x6415.

Miranda: Sensorex, f/1.8, 50mm; auto, f/3.5, 135mm; auto, f/2.8, 28mm, total price \$240. Kai Ming Chan, x2926.

Revox A77, new, \$495. Mark Davis, x7779 or 889-1742.

Henry F. Miller upright, flash, w/bench, mahog, gd cond, \$175, in Rosindale. Call 725-7394 evgs.

Lang competition ski boots, sz 9½M, this yr's mod, used this seas, \$175 new, now \$110. Mike, 261-3292.

Tires (2), Firestone E78-14, 4 ply radial, 2 ply, lots of tread, \$25. Tires, x6736.

Framous elec guitar, mod 5/110-52, hardly used, orig \$150, sell \$75. x1974.

Siamese cat, 5 mos old, most sell. Bill Swedish, x3216.

Beautif set majog furn, sell sep if desire: bedside tbl \$10, dresser w/mirror \$25, snl bed, gd matt \$65, exc cond. Mary, 547-5210, lv message.

Singer slantomatic sew mach, 7 yrs old, w/all attach, exc cond, \$115. Marcy Hardt, x5777 or 625-7690 evgs.

Free: lovely kittens, orange & blk. Call x7948 or 527-0497.

RCA 19" b&w TV, gd cond, w/stand, \$50; Sylvania 19" b&w TV, gd wrking order, w/stand, \$45. Ralph sayers, x2518.

Lincoln fibergls 13' canoe; man's frame, Raleigh Sport bicycle. R. L. King, x3426.

Queen sz bx spring & Harvard frame, used 4 mos. Call 329-3438.

Dietzen micro glide decimal trig log-log slide rule, lk new, \$20. Michael Adler, x6873 or 969-0892, lv message for Mr. Green.

Blue couch bed; coffee tbl; dressers; ironing board; exc cond. Lucy, x2156 or 357-8137 evgs.

Complete apt must go: furn, rugs, curtains & misc, gd qual, lk new, only 1½ yrs old, discount prices. Call 491-6559.

Framous acoustic guitar, new fine cond, \$60. Ann, x1574 or 661-8184 evgs.

Free: kittens, immed delivery. Call x5330 or 862-5780 evgs.

Snow tires, 7.35x14, ww, stud, 3/8" tread, \$30, rims free. Linda, x2391.

Refrig freezer, \$30. Call 776-5858 evgs.

Sears Kenmore zigzag sew mach, blind stitches, w/cabinet, rarely used. \$80. Call 492-2684.

Grundig TK 46 tape rcrdr, inc amp, spkrs & microphone, 3 spd, 3 heads, \$100. Adrian, 247-8581.

Tiger stripe kittens (2), ready to go now. Suzi, x1991.

Swing set, \$15. x7654 Linc or 862-3952.

Beds; bkshelves; mattress; rug; 19" TV, \$25; men's bike, \$28, perf cond. x4724 or 868-1780 evgs.

Remington Rand manual typwrtr, exc cond, \$30; wl do straight typing for theses. Georgia, x2407.

Child's playhouse, 5½x6', 6' high, running water, weatherproof, \$50. Nancy Drew bk set (45 vol), \$15; twz sz matt, \$10. Call 862-5041.

Lantz refrig 34", almost new, \$75; 9x12 oriental rug, somewhat worn, \$5, both \$76. Call 547-8098.

VW roofrack, \$13 or best. Eileen, x3973.

Amer Trad Gaff Cutter, 39", wd w/flaxen sails, built in '69, v comfortable, solid for cruising round world. Dick, 482-6985 days or 491-7231 evgs.

Royal futura port typwrtr, deluxe mod, lthr case, many extras, new \$125, \$45 wl bargain; petite women's clothes. Judy, x2526, lv message or 492-4572.

Playful, hsbroken, spayed, fem calico cat, nds home w/out rivals. Call x7896, Mon, Wed, Fri, or 262-5668.

Walnut crib & horsehair matt, used 2 yrs, \$40; ashblond stretch wig, new, \$25. Karin, x6219 or 237-1066 evgs.

Elec range, best offer. Call 489-1529.

Wht 30" Magee gas range, 4 burner, oven, broiler, clock-timer, fl light, wrking cond, \$15. Al, x149 Linc or 862-5904 evgs.

Woods skis, 135 cm and 150 cm, w/Tyrolea step-in bndgs, poles. John, x5001.

Sears manual adding mach, lk new, \$35. George, x4627.

Paramount bowling balls, duck & candlepin, engraving, gd prices. x2180 or x2360.

Auto answering serv (3), br new, still in carton, \$75, \$150, \$200. Tony, x5036.

Polaroid auto 103 land camera, w/flash attach, dev timer, portrait kit & lthr case, \$40. Call 666-9415 evgs.

Antique ladies' watch, amer Waltham, perf running cond. Cheri, x6711.

Camping trailer, 13' Shasta compact, sleeps 4, w/gas, elec, refrig, htr, oven, \$1200. x3895 or 658-3318.

Free: beautif, loving kittens. Tessman, 332-9778.

Chests; dsk; tbls; bkcases; dbl bed; student bed; armchrs; TV; elec appliances; etc, lving country. Jacques, x7174 or 868-0740.

Climbing rope, 120', 7/16", Goldline, nvr used, \$12; 12 volt AM car radio, exc cond, \$18. Call 776-9689.

Gemeinhardt flute, \$150 or best. x2253 or 566-6071 evgs.

Selmer alto saxophone, Mark VI, in magnificent playing cond, \$225. Call 332-7152 evgs.

Tbl \$5; various furn; coats \$2 ea; fur boots; kit uten, etc, lving country. Call 536-9038.

Rugged trailer hitch w/ball for Mustang, \$10. x7627.

Non-polluting, hshold, indus & laundry cleaners, organic, non-flammable & safe; man's bike, \$4. x4626 or 277-7863.

Straight back chrs (some antique & nd refinishing); antique wash basin & pitcher; tbls; man's suitcase. Call 232-0484 days.

Men's Lange stndrd ski boots w/flo, sz 9½, slightly used, \$125 new, \$65. Carol, x251 Draper 7.

Baby changer \$5; porta-crib \$15; playpen \$5; dbl chest \$15; TV tbl \$3; mediterr style coffee tbl \$20. Sabra, x5693 or 547-2248.

Steinway 6' grand, perf order & exc cond, \$1100; Chickering 8½' grand, magnificent tone, \$750. Call 944-3860.

VEHICLES

'62 Plymouth Fury, V-8, air cond, pwr st, exc motor, gd body, \$300. Gene Arnold, x5040 or 547-1317.

'63 Cadillac, best offer over \$350. Frank, 625-4006.

'63 Ford Galaxie conv, V-8, new top, gd body, new Hurst shifter, new muffler sys, \$300. Call 862-7671 evgs.

'63 Chevy sta wgn, snows on xtra wheels, gd cond, lving country, \$250. Bernard, x5915 or 267-6230 evgs.

'63 Eng Ford, dependable, R, 4 spd, 60K, 24 mpg, \$225. Call 547-0950 evgs.

'64 Ford Country Squire sta wgn, \$100. Call 246-0296 after 7 p.m.

'64 Chevy wgn, 327, 4 spd, recently vandalized, nds glass, mech gd, \$175. R. Warren, x6340 or 926-3653 evgs.

'64 VW, runs but must have valve & ring job or rebuilt eng, has new tires & clutch, xtra parts, \$100. Call 491-6087.

'64 Buick Electra, gd transportation, \$350 or best. Todreas, x5296.

'65 Mustang, 8 cyl, hrdtop, exc cond, low milage, reliable, \$575. Call 369-1795 evgs or wkend.

'65 Dodge Dart wgn, 4 dr, 6 cyl, stndrd, 54K, \$495. Ed, x5434 Linc.

'66 Ford conv, \$675, v gd cond, new top & tires; '65 Jaguar XKE, gd tires, exc cond. Bob, x2537.

'66 Ford sta wgn, auto, pwr st & brks, V-8, R, exc cond throughout, clean, reliable, \$950, wl demonstrate. Bill W. x7478 Linc.

'67 Pontiac LeMans conv, V-8, console, buckets, pwr st, recent wrk, new tires, 55K, asking \$1200. x7159 Linc or 599-4305.

'67 Sunbeam Alpine conv, exc cond, just overhauled, 4 new tires, hrdtop & tonneau cover, \$1275. Ed, x3993.

'68 VW sedan, 24K, exc cond, R, \$1295. Dennis, x3201.

'68 Volvo 122S, 40K, carefully maintained, \$1500. Call 868-5831 evgs.

'69 VW sunfr, auto, AM-FM, exc cond, \$1500. Akalin, x2961.

'69 MGB, 22K, exc cond. x4942.

'70 Bridgestone 350 GTR, lk new, 1300 mi, built to go, has lids & jacket no xtra charge, \$575 firm. Bruce, 471-6865, 5-7 pm.

'70 VW sunfr sedan, exc cond, \$1695. x3958.

'70 VW, 7 passngr bus, 18K, (4k on Micheline), driving lights, rear anti-sway bar, x5768.

'70 Yamaha 350, YR2C, only 2K, perf cond, \$650. Call 734-9851 after 7 pm.

APARTMENTS, ETC.

Sublet apt, 5/1, 2BR, 2B, frplace, mod K, din area, unfurn, \$300/mo w/option to renew. Karen Greene, x4737.

Arl-Lex line, elegant 3BR apt w/spectacular view, avail about 6/15, call & arrange to see it now, \$275. Bill, x3223.

Bedford, 3 BR house for sale, screened porch, wooded ¾ acre lot, exc cond, ideal neighbrhd for children, \$29,5. x5502 Linc.

Boston sublet, Marlborough St, LR, 1BR, mod B, K, 2 closets, frplace, June-Aug, avail 9/71, \$190/mo. Call 536-0335.

Nr Cent Sq, sublet, 3BR, avail 6/1-8/31 w/option, 10 min from MIT, \$175/mo. Paul, x1638 or 492-1538.

Camb sublet, avail 5/16, LR, BR, K, 2 frplaces, betw Mt. Auburn & Brattle Sts. Call 864-2071 evgs.

Harv Sq, great apt, 2 BR, LR, K, prking, avail after 6/15, moderate rent. Kitty, x7042 or Kathy x7170 or 492-1879 evgs.

Lex, (20 min from Camb), summer rental, 6/25-9/2, mod, completely furn, 5 BR, 2B, community swim pool, \$350/mo. x3137 or 861-8090 evgs.

Lex summer rental, ideal wooded lot, new contemp 5BR house w/swim pool, 2½B; or pool membership, maintainance fee only. Call 861-9429.

Lincoln summer rental, elegant 5BR deckhouse, mid June - mid Sept. Call 259-9130 evgs.

Revere, new exec home for rent, June 1, lease & security deposit req, high rent but luxurious, adults only. Call 289-5513.

Union Sq, Somerville, summer sublet w/option, 1 BR apt, great bus connections, \$125 plus util. Call 666-9682 evgs.

Summer rental, West Newton Hill, lrg comfort, cool house, conv to trnpike, 4BR, 2 studies, 2½B, LR, fam rm, fully equip K, gar, yard, avail mid June thru Labor Day. Call 491-3373 or 969-8312.

For rent, June & July, fully equip house in Canaan, NH, 4BR, guest rm, study, 2 full B, priv beach on quiet lake. Call 926-2493.

Conway, NH, lrg new lodge, 4BR, 2B, 18x24 LR, frplace, sundeck, mt view, handy to priv beach, rent by seas/mo or wk. x4291 or 545-1852 evgs.

Lrg waterfront cottage at end of priv rd, exc swim, fish, boating, fthills of Wt Mts, rent by wk/mo or seas. Fred, x2540.

Summer rental, 3-4BR chalet, Lake Winnepesaukee. Call 277-8605.

Lodges on Lake Winnepesaukee, sleeps 6-9, summer rentals. Call 491-5149.

WANTED & MISC.

Cpl w/spring fever would lk use of sml piece of land for veg garden. Mike, x6712.

Air conditioner. Goesta, x7811.

Rmmate for Camb house, to share w/2 young prof men, air cond, furn, 8 rms, frplace, grand piano, laundry, library, fenced yard, screened porch, \$155/mo. David, x4308.

Girl's bicycyle, gd cond. Han, 661-0297.

Exercycle, reas price. Roy, x5427.

Anyone willing to rent me a bicycle from now until June. Toby, x5526 or 864-1954.

'65 or later conv VW. x5861 Linc.

Elec stove v inexpensive; and pipe organ, free or near free. Robert Goldberg, x1420 or 868-6943.

Sublet, 2BR apt or sml house, approx 5/15-9/15, prefer furn, adult fam of 3, w/sml trained dog. Mario, x492 Linc.

Smellin approved motorcycle helmet. x2746 or 776-8524 evgs.

Full sz girl's bicycyle & sml sz tricycle, wl pick up anywhere. Call 969-3439.

Man's 3 spd Eng bike. Marie, x5315 Linc.

LOST: gld watch w/black cord in bldg 20, reward. Eva Finn, x2569.

English girl, 19, wants trave w/fam across US this summer, offers fam help & bbsitting. Call 969-3834.

Male rmmates (1 Or 2), to share house in Newtonvl, start 6/1. Jim, x518 Draper 7 or 332-6440.

Girl's and/or man's used bike, any cond, wl pay. Sue, x5784 Linc.

Fem rmmate for 1010 Mass Ave (MIT bldg) own BR, around \$90. Barbara, 868-7196.

Projectors: 16 mm movie (sound or silent); & 3¼ by 4 lrg-glass-slide. Wilson, x2237.

Rmmate, summer rental, to share furn, mode 1BR apt, betw Harv & MIT, June - Aug. John Walsh, x5935.

Refrig, coppertone, 12 cu ft or lrg. Steve, 492-1561.

FOUND: women's wristwatch, vic of bldgs 26 & 24. Bob, x4125.

Man's bicycyle, 3 spd, up to \$25. Wang, x7538.