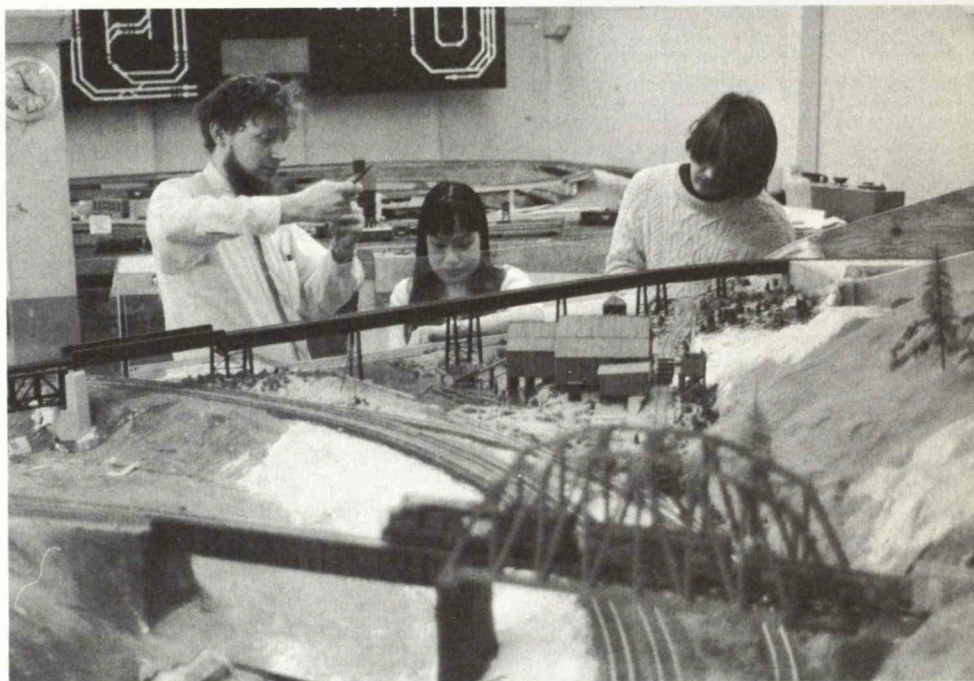


TECH TALK TECH TALK TECH TALK TECH TALK

MASSACHUSETTS INSTITUTE OF TECHNOLOGY March 19, 1969



Getting ready to roll are (L to R): Peter Samson, Harriet Kang and Bill Freeman.

CHUGGING ALONG

Where are the comfortable, relaxing trains of yesterday? They've given way to the added expense, strikes, bad-weather delays, bumpy flights and inconveniently located airports of the great modern bird.

But there are always traditionalists who refuse to give in to modern ways, and among them are the forty members of the MIT Model Railroad Club. Open to everyone in the community, the Tech Nickel Plate Line offers a special challenge to those who are interested in building their own O-gauge engines and cars. The railroad is open most afternoons in Room 20E-214 for those who'd like to learn or even just for curious visitors who'd like to watch for a while.

The club has been in existence since 1948 and has continually been adding equipment and new systems. A donation of parts three years ago yielded a completely new relay circuit which greatly increased the number of trains that could be running at once. Now trains can be raced against one another or can be run according to a specified time table built into the system.

With more than a thousand feet of track, the railroad is mounted on a platform which conceals the elaborate wiring which operates it. Over the years the platform has assumed a very realistic approxi-

mation of train-window countryside, with trees and bridges, farms and towns all built to scale.

Now that such things as the turbotrain can carry passengers from Washington to New York to Boston in the same door-to-door time as airplanes, there may come a new look to the Nickel Plate, but there'll always be track space for historic locomotives, too.

UNTYING LINES

Along with Tech Talk this week you will receive a very important piece of paper -- a listing of new tie-line numbers connecting MIT to various outside points. The Institute telephone system will be adjusted to accommodate these changes on March 29, and the inserted page should replace page iv in your telephone directory beginning then.

The most important single change is that the new tie-line to IL7 (75 Cambridge Parkway) will be 821 rather than the single digit 1 which has prevailed for several years. Thus, whenever you come across an extension which begins with one, you must remember to preface it with 82. Eliminating the one series is also part of the reason for making the change: it will provide 900 new numbers for use as Institute extensions beginning next summer.

The other improvement the new system offers is that it makes it possible to increase the number of tie-lines. As long as tie-lines were restricted to the two-digit eight series, only ten such lines were available, other than single Institute extensions to outside points. By increasing the ties to three digits, many more lines are made available and can be put to use if the need arises.

This is the only major change the Institute plans to carry out until the fall of 1972 when the present telephone system is scheduled to be replaced by a Centrex system.

THE UNSTOPPABLES

The ladies of the MIT switchboard, like letter carriers, are seldom kept from their appointed rounds by sleet or snow. Because of their fortitude, the switchboard was open -- as it must be, even though the Institute is closed -- and operating as nearly normally as circumstances permitted during the big snows.

During the first storm, which surprised everyone, fully half of the normal day-shift staff of 22 operators made it in from Arlington, Dorchester, Somerville and Cambridge by one means or another. Even more remarkable is the fact that two women, due in at 8:45 actually arrived at 7:30. But each left her home between 5 and 5:30, so it wasn't easy.

With the city better prepared to handle the situation, the second snowstorm found the switchboard operating with 16 of its members, this time from as far away as Natick and Braintree, who slogged in garbed in ski pants and foul-weather gear. On both occasions it was necessary for one or two of the ladies to spend the night at MIT, either because they couldn't get home or because if they did go home they would have been unable to get back to MIT. All-in-all, it was long hours for everyone.

MONEY MATTERS

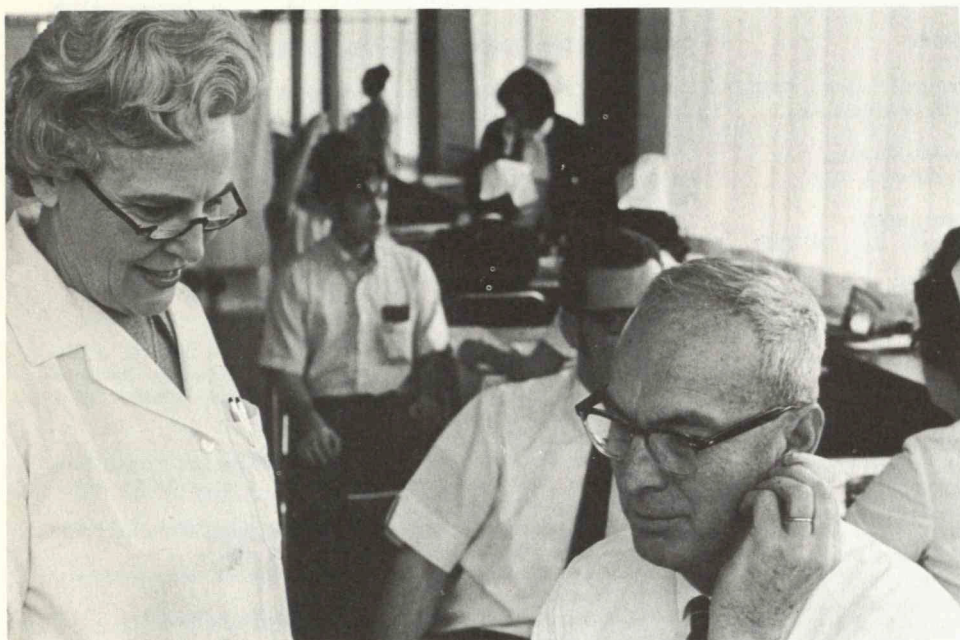
If you're like most of us, you had very good intentions of filling out your income tax returns last January, but didn't. Maybe it's just



Snow-women of the switchboard.

as well because again this year the Massachusetts Society of Certified Public Accountants is offering its "Dial a Tax Question" to puzzled taxpayers. From now through March 27 you can call 227-3710 Monday through Thursday evenings from 6:30 to 8:30 to have your questions answered by a qualified accountant. The free service is not limited to area residents; people in central and western Massachusetts can call free by dialing 1-800-322-4842.

There's also new hope for those of us who look at the clock at 2:05 on Friday afternoon and suddenly remember we don't have any money for the weekend--after the Bursar's Office is closed. The office in 10-180 now has new hours and will be open from 9 a.m. to 3 p.m. each day.



Dr. Nana Reid of the Red Cross chats with Professor Walter Wrigley, MIT Chairman, on his way into the donor room.

THE BEAT GOES ON

Snowstorms, computer problems and delayed notices all contributed to a woefully slow start for this year's blood drive, and a need for maximum efficiency to make up for lost time this week. The organization of the drive was late in starting and was slowed further by the Institute closings. Computer scheduling was likewise delayed and appointment cards sometimes didn't reach their destinations in time for donors to plan ahead.

As an indication of the seriousness of these problems, the collection on the first day of the drive last week was 107 pints; on the second day, 143 pints. The average daily yield last year was 284.

To cure the communications gap, here's what to do. Keep your appointment if you have one. If you can't, please call Ext. 7911 or 4276 to cancel it, and a new one will be scheduled on the spot. If you haven't heard when your appointment will be, call Ext. 7911 for immediate confirmation. Most important, if you haven't yet signed up, please fill out a registration form, pronto. You can take it to E 19-238 or the Blood Drive Office near the Sala and an appointment will be arranged immediately. For last minute donors, a call to Ext. 7911 for an appointment will help avoid a donor jam.

With an eight-day drive this year, a total donation of 2,000 pints was an easily realizable goal--until the drive began. Now it will take patience and good humor to hit that mark.

CALENDAR JOTTINGS

The annual dinner of the Quarter Century Club will be held on Thursday, April 3, at 5 p.m. in Morss Hall at Walker Memorial, for members and invited guests. Co-chairmen of the event are Robert Radocchia of Walker and Franklin Bidwell of Instrumentation.

The MIT Nautical Association is sponsoring a lecture this evening (March 19) by Douglas MacGregor on "Tuning Your Boat for Maximum Speed in the Coming Season." By developing outstanding boat speed, Mr. MacGregor has won championships in half a dozen different classes in the past ten years. He will explain some of his tuning techniques in the talk which will be held in Room 6-120 at 8:30 p.m.

Auditions for the Community Players' spring production, "A Taste of Honey," will be held March 25, 26 and 27 from 7:30 to 10 p.m. in Rehearsal Room A in Kresge. Needed for the production are actors, backstage hands and jazz musicians.

FOR SALE, ETC.

Photo equipment; tape recorder; drafting set. Paul, X1357
Sears mod 81927 20" snow thrower, 3 1/2hp, \$80. Call 527-6204.
Nathan Hale solid maple ch (4); 2 Mersman formica mahog end tbls; 4-rm cott
w/boat, 3 min walk to priv lake, Laconia vic. Call 395-8751.
Mobile home, 40x8', sacrifice for \$1400. Daniel, X419 Linc.
Elec comps of debatable value: relays, xmfrs, etc. Bob, X3895 or 658-3318.
Dynaco 120 sol st stereo amp; PAT-4 preamp; Scott 312C sol st stereo FM
tuner; 2 KLH-5 spkrs; all perf. David Perlman, X5820 or 491-3488.
Upright piano, \$10. Call 288-1491.
Sailboat, 11', new, morror class, fiberglassed, epoxied, fl equip w/spinnaker,
\$600. Call 354-1656.
Man's ski coat, med L, \$10; man's ski sweater, \$7. John, X5001.
Nikon F Photomic T, f/1.4, new, \$25% off. Lagos, X5933 pms or X2961 evgs.
Linhof Technika 70, fl swings, tilts, 100mm Rodenstock, 65mm super angulon,
150mm Symmar, 2 backs, case, \$750. HrbeK, X5171.
SC Electra IV port elec typwr w/case, yr old, seldom used. Mary, X5100.
Alaskan Malamute purebred puppies, f, unregistered, finely masked, lg bones,
\$75-90. Call 354-7685 evgs.
Trunk mtd ski rack, 2 pr; w warm sleep bag, zipper nds repair. X2798.
Castro dbl convert couch, bl, slightly worn on arms, new matt, orig \$365,
best offer. Janet, X2395.
Auto radio-tape deck, 4-trk, no spkrs, \$60. Fred, X6542.
Br new 12v Sears batt for Corvair. Morrey, X1177.
Ital prov bedstead, \$35, rock maple dresser free w/bedstead. Fisher, X5571.
Sunbeam mod EM mixmaster, port or stat, 12-spds, like new, best offer.
Call 646-1133.
Easy Spindryer wash mach, v gd cond, \$20. X4856 or 547-1116 evgs.
Bosey & Hawkes series 2-20 flute w/case & music std, exc cond, \$125.
Peter, X5816 Linc.
Sony tape rcdr, mod 560, less than yr old, \$290. Arthur, X1515.
Concert gr piano, avail 5/1, living, must sell, \$1070 or best. Ron, 547-7932
Mon-Thurs evgs.
Beginner's Stella guitar, \$10; dart board, \$3. Stefan, X4537.
RCA 30w sol st stereo, exc cond, yr old, \$75, w/ haggle. Anita, X1298.
Pr AR4X spkrs in oiled wal encls, 2 yrs old, perf cond, \$75. Don, X4170.
BSO Sat night tickets (2) for 4/5, exc loc, orig \$7.50, asking \$5 ea. Jeannie,
X3584 or 232-2822.
Dbl bed w/matt, hardly used, \$20. Call 734-6072.
Cute puppies, avail end March, v reas; w/ do typing, all kinds. Call 491-3284.
Cameras, 35mm: Topcon R w/case, 58 mm f/1.8 w/access, \$85; Kodak Pony,
case, flash, \$15; misc filters, shades, access. Don, X7357 Linc.
Fisher metal skis, alu, 215cm, Marker bndgs, \$40. X4727.
Slant top secretary, wal veneer, rec refin, \$50 or best; Fr prov side ch, off-
wh uphol, \$30 or best. Roger, X2336 or 547-6029 evgs.
Hvy duty tire chains, lug-reinforced for 5.60x15 etc, \$5. John, X7202 Linc.
Twin 3 1/2' dark stained bar stools, \$3 ea. Miss Marshall, X7246.
Mesh 40x40" playpen w/pad, \$15; refrig-hot plate comb, \$25. Mike, X6913.
Nikomat FTN f/1.4, auto, almost new, reflex, lt mtr behind lens, \$195. X4416.
Sunlamp bulb, was \$8, now \$3; movie cam, hand lt, w/metal case, \$7;
new guitar, was \$30, now \$18. Call 484-9591.
Sofa bed; sgl bed; cof tbl, mirror. Call 547-7193.
Dyna FM-3 stereo tuner, \$85 assembled. X3270.
Zeiss-Ikon 1920 twin lens centaflex, reas cond, but heavy, \$50 or best.
Tony, X5143.
Baby carriage, stroller, furn, bassinette, other access. Call 469-0335 evgs.
Fisher skies w/Eckel safety bndgs & poles, \$25; woman's Henke boots; parka;
baby carriage, stroller, carbed, best offer. X4922 or 846-3465.
Honda '68 305 Dream, lugg rack, tarp, 1.5K, \$500. Call 625-4908.
McCulloch airplane eng, 0-90-1, 60hp, 4 cyl, 2 cyc. Diane, X5365.
Radio Shack Solo-4 bkshef spkrs (2), \$15. Ken, X6773.
Gallet chronograph watch, 6 mos old, sm, was \$110, now \$60, choice of
straps. Don, X7391 or 7392.
Record-o-phone/Robosonics, exc cond, \$300. X6950 or 266-2049.
Physics Abstracts, 1962-67. Gerald, 868-4190.
Sony 1080 integrated amp & preamp, 4-yr guar, \$225. Pat, X7441 Linc.
Kittens, born Feb 5. Kathy, X3659.
Affec 6 1/2 yr-old m Chichuahua nds home w/o young children. Arthur,
X2720.
Round trip to Vienna, 35 days, 7/9-8/13, \$305. Susan, X2285.
Smith Corona port typwr, gd cond, \$30. John, X2595 or 643-2264.
Broken Zenith TV, best offer. Call 862-3728.
AKC champ stock silver mini poodle puppies, 6 wks old. Call 263-5568 Acton.
Polaroid Big Swinger 3000, 3 1/4x4 1/4 b&w pics in 15 secs, \$15. Jack, X3977.
'60 Jaguar Mark IX, lux sedan, exc cond. Call 449-2226.
'60 Saab, gd commuting car, \$250. Bob, X1292.
'61 Falcon, 65K, std, snows, 4 gd sum tires, \$100. Chet, X6027.
'61 VW sedan, mech exc, eng rec rebuilt, body poor, \$250 or best. X6028.
'62 Valiant 100, exc cond, new paint, \$295. Becker, X4471.
'62 Pontiac Catalina 9-psgr wgn, auto, p st & br, \$425. X6291.
'62 VW sedan, new carb & muff, \$450. Paula Kelly, X6278.
'62 Falcon, 6 cyl, 4-dr, exc cond, 70K, R&H, \$200. X3306.

'62 Olds 88, auto, p st & br, R&H, rear defroster, best offer. Dean, X7571.
'62 VW, blue, radio etc, \$450. X2187.
'63 Chevy Biscayne 4-dr, std, 6 cyl, v gd cond, \$500. Alston, X7193.
'63 Chevy II Nova, v gd cond, one owner, \$500; wrought iron K set w/4 chs.
George, 648-9640.
'63 Olds Cutlass convert, auto, about \$600. Call 547-3435.
'66 MG Midget, green, 22K, exc cond. Call 666-8356.
'67 Austin Cooper "S" 1275cc, 22K, well equip, comp intact. Brian, 262-4962.
'67 MGB convert, dk green, bl top, wire wh, exc cond. Call 267-1829.
'68 Torino GT convert, 13K, auto, V-8, dual 90 tires. Mrs. Shea, X4805.
Allston, 1-BR apt, 1st fl, mod, sunny, pking, yr lease beg 4/1, nr T & schools,
\$160/mo; '65 Honda 160, perf cond, \$250 or best. John, X2532.
Arl, 1g LR, DR, mod K, 4 BR, 1 1/2 B, sunporch encl, oil ht, alum comb win-
dows, disp, upper 20's. Call 648-6661.
Bel, 5 BR, mod lg K, stdy, LR, DR, \$150/mo, avail 6/6. IV 4-7275.
Bos, Bcn St, mod studio apt, 15 min walk to MIT, sublet 6/1 or earlier, \$105/
mo. X6705.
Camb, 3 lg rms, htd, nr T, avail 4/1. Call 547-1403 evgs.
Camb, furn apt avail 6/8, 20 mins to MIT, newly redecc, \$80/mo incl gas & ht.
Marty, X2341.
Camb, unfurn apt to sublet 4/1, between MIT & Cent Sq, \$125/mo. Akira,
491-2215.
Camb, sublet 2-rm furn apt, sep ent, Porter Sq, avail 4/1, \$125/mo. Call
491-4914.
Camb, sublet 7-rm apt, Harv Sq area, \$175/mo. X3646 or 491-2554.
Camb, nr Harv Sq, 2 BR, avail 6/1, \$175/mo. Call 868-6574.
Lex, contemp, Estabrook sch area, 5 BR, closets, dish & disp, extras,
35,500 sq ft landscaped lot, July occup, \$43,900. Call 862-7528 evgs.
Ntn Ctr, 9-rm col, 3 B, master BR air cond, 6/27-8/31, \$500. X5261.
Ntn, rent free apt for married couple w/child in exch for sitting & some
housework, nr T. Call 527-2683.
Reading, sublet, 6 rms furn, laundry & gar, 5/15 to 9/15, \$250/mo. Call
944-2371 evgs.

WANTED & MISC.

LOST: Exposed roll Kodacolor film w/baby pics on 3/3, Reward. X5069.
FOUND: 3/10, Swank agate cufflink between Walker & Hayden. Rm 5-105.
Inexp apt for 2 Wellesley srs 6/1-9/1, pref Bos or Camb. X5840 or 235-2546.
Apt in Camb area w/fem rmmate. Sandy, X4271.
Port TV. Takahashi, X6745.
Tom Swift, Don Sturdy, Radio Boys, Jerry Todd, Poppy Ott, Trigger Berg,
Tuffy Bean, Andy Blake, pref w/dust covers. Andy, 862-7477 evgs.
Girls' bicycles, 28". X2368 or 646-2059 evgs.
House in Weston at end of Apr, quick sale (cash). James Williams, X5410.
Fem rmmate, 21-25, to look for apt, pref Bcn HI. X4152.
Unfurn mod apt, Camb, 6/1 w/opt, 1 or 2 BR, pking nec, for married grad
cple, pref yd. Ed McCann, 354-0662.
W1 convert computer tapes to run on 360. X5930 or 868-8566.
Good qual bassoon. X2467 or 237-1350.
Studio or 1-BR apt on Bcn HI to sublet for sum, pref Pinckney, Mt V, W Cedar
or Chstnt Sts. Anne, X6249.
Square dancers, Tues, 8 pm, Std Ctr, Rm 491, beginners on 2 & 4 Tues.
Apt to share w/other girls, 22-25, in Camb or Bcn HI; Also daily ride, Lex
to MIT, 9-5. X2220 or 862-5686 evgs.
Man's & woman's 3-spd Eng racing bikes. Jerry, 244-6602 evgs.
Driver's lessons after 5 pm daily. Sonny, X6943.
Native German w1 tutor, \$4/hr; also German conv circle for exercise, fee
depends on no of participants. Erika, X2686 or 923-1794.
Old furn, rugs, etc. Linda, X3645.
Sturdy 3 or 4 drw file cab w/lock in gd cond. Nunzio, X3976.
Typing. Ruth, X2476.
Male rmmate to share furn 2-BR apt w/1 other, beg 4/1 or later, dishwash,
carpet, etc, 5 min walk to MIT, \$75/mo. Chandry, X6185 or 491-7325.
Upright piano for student. Larry, 547-6981.
Furn apt sublet, 4/1-9/15, 2 BR, Brk, Ntn, Jam Pl area for visiting scientist.
Miss Cusick, X5838.
Baby's carbed and portacrib. Marilyn, 776-0589.
Reciprocal sitting w/Camb mother w/1 child under 1 yr. Call 864-7930.
Room & bd, Cleve Cir area for fem student in exch for occas evg sitting, ride
to MIT morns. X5693, 9-1, or 277-2313.
Typing. Virginia, 491-3585.
Male rmmates (2) to share w/2 others lg Mass Ave apt nr Porter Sq, \$62/mo.
Charles, X5736.
Sitter, 8:30-4:30 for 3-mo-old boy, our house or yours. X4403.
Piano for price of moving. Call 868-0071.
Exch place to live for night sitting, start immed. Susan, X7491.
Young married cple w1 housesit Apr & May, exc refs. Marie, 354-7192.
Fem rmmate to share lg Fenway apt, \$87.50/mo, pref over 20.
Call 262-0676.
Tent trlr to rent or buy, sleep 5. Bob, X7115 Linc or 245-1263.
Fem rmmate, 25-35, to share Bcn HI apt w/2 others, own BR, \$108/mo.
Call 742-9651 evgs.
To stud: Brown mini poodle, pedigreed. Kitty, X6466 or 536-8776.