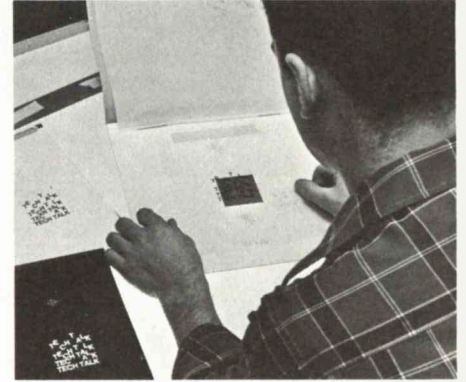
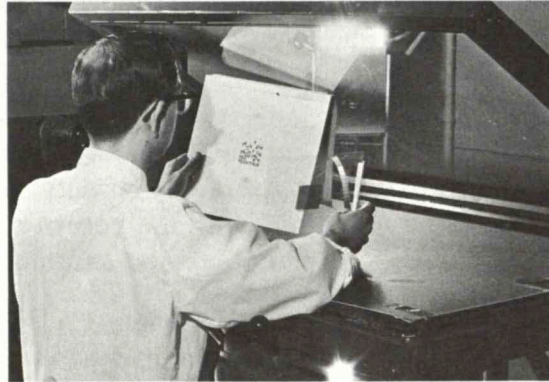
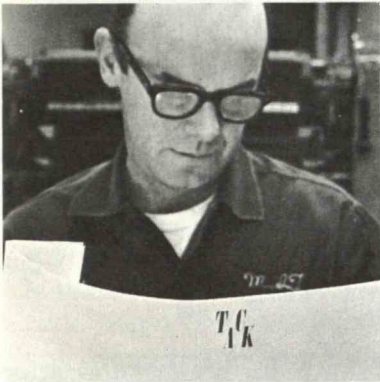


# TECH TALK

MASSACHUSETTS INSTITUTE OF TECHNOLOGY February 24, 1967



The unsung heroes of Tech Talk are the people at Graphic Arts who try to get it out on time even when the editor has missed the deadline. Three key members of the team are Jim Maloney, press-room (above), John Ribeiro, shown checking the masthead (center), and Dennis Duffy, paste-up (right).

## A BACKWARD GLANCE

The Compton Lab, though nearing completion, was still shrouded by scaffolding; MIT's paid population was 7,000; a medical breakthrough, the chemical synthesis of penicillin, was announced by Chemistry's Professor John C. Sheehan; and the Institute was expecting the arrival of a big new computer, the IBM 704.

It was February 1957 and another arrival took place that we choose to remember warmly. Tech Talk made the scene.

Since then 16 more new buildings have opened; the employed population has grown more than 50 percent; a literal breakthrough recently made news --rock crushing by laser; a new computation center is under construction to house a new giant computer, the IBM 360/67.

In the intervening years, Tech Talk has sent to press upwards of 300,000 words and close to 1,200 pictures, wearing out three --going on four -- editors, at approximately two years each. The annual consumption is well over 300,000 pieces of paper, and a year of Tech Talks piled up would stand slightly taller than the Prudential tower.

Several weeks' preparation went into the first Tech Talk. A proposal outlined its purpose: "although we should not attempt to create a spurious one-big-happy-family atmosphere, we should be able to promote better understanding through communication." A name and format were still needed. The name was supplied at a brainstorming session by a non-MITer who collected \$15 for the idea. Next came the design of the masthead, accomplished with great success by a designer in the Publications

Office. So highly regarded was the old masthead that a recent suggestion to change it met with strong resistance.

A sample issue was distributed to 300 department heads, project supervisors and foremen. Along with it went a letter asking each recipient to appoint a reporter from his area to keep Tech Talk's editor posted on news and events of interest. Alas, the departmental reporters never worked out very well, but Tech Talk made its first appearance two weeks later anyhow. The date was February 26, 1957.

#### BLIZZARD?

"Yes, this is certainly a blizzard," said Professor Hurd Willett of Meteorology, as he surveyed the grey outside world from the bubble atop the Green Building. "It just takes enough snow, enough wind and a low temperature." The three ingredients came together with howling success on February 7.

When day shift personnel were excused during the afternoon, the grounds crew of Physical Plant remained on duty, with snow blowers, melters and loaders. Next morning, with the return to normal working schedules, the Institute walks were clear and safe and parking areas passable because of their efforts.

With a month or more of winter still ahead, a reminder about snow storms is in order. Radio stations WBZ and WHDH are notified when weather conditions interrupt Institute operations. Please listen carefully to these stations to find out who is expected to report and who is not.

#### FOUNDRY FINDINGS

In a last puff of glory last week, the old foundry in Building 35 was the setting for a lesson in beautifying Cambridge. The final castings made there were halberds and pikes to replace many of the missing paling-heads around Fort Washington, helping to restore the historic site.

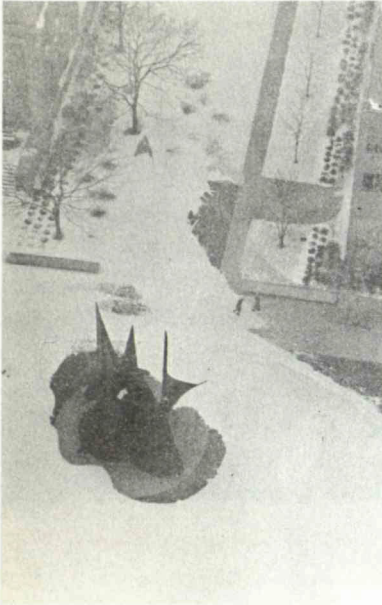
It was a lesson in community cooperation too. Spearheaded by Professor Douglas P. Adams, the program to rehabilitate the Fort has so far involved a group of high school students and their teachers at Rindge, the Cambridge Department of Public Works, the Massachusetts Revolutionary War Bicentennial Commission and MIT, through Professor Merton C. Flemings.

The Fort is a near neighbor of MIT, located just behind the Cain's mayonnaise sign, and is one of only a few remaining earthworks from the Revolution. Fort Washington was given to the city in 1857 upon the city's promise to preserve it. A handsome fence was put up and trees were planted. Later the Fort fell on harder times and much of its fence was knocked over.

This spring will find Fort Washington's fortunes rising once more as the fence is repaired. New young trees have joined the stately 100-year-old elms already there to create a place of beauty as well as of history.

#### COMING UP

The next couple of weeks will find the Institute getting organized for its annual date with the Red Cross Blood Mobile. This year the campaign will span seven days, March 15-17 and 20-23. To encourage those who have not given blood, here are some recollections of a first time donor.





### IT WON'T HURT A BIT

Your palms are clammy and there's a light-headed feeling. It's fright. Somehow there you are answering the lady's question, "Are you a first-time donor?" Need she ask? She finishes filling out a card and sends you along to the next lady who pops a thermometer into your mouth and grips your wrist, counting your racing pulse.

You're sitting in a line of musical chairs. All of a sudden a nurse calls "Next!" and you realize that means you. She wraps a blood-pressure cuff around your arm and begins reading you a list of diseases, and you dutifully answer to each one of them. Then with an alcohol soaked cotton ball she cleans off one of your fingers and draws a little blood to be sure your hemoglobin count is normal. With a bright beam the nurse turns you over to a volunteer who escorts you to the donor room. You stop along the way to sip a small cup of water.

The moment of truth is at hand. The cool-fingered nurse who will draw your blood and the volunteer chat with you while last preparations are made. Suddenly there's a quick sting on the inside of your elbow...and it's all over. The nurse and the volunteer continue to chat and you discover that the blood you are giving right now may be used this afternoon in open-heart surgery. The heart patient has been waiting for a sufficient quantity of his type blood to accumulate. You grip a wooden stick to help your blood flow more quickly so that "your" patient won't have to wait any longer.

Very soon you find yourself sitting up on the table and swinging your feet over the edge. The volunteer is smiling brightly, but she's still watching you closely. She holds your arm firmly as she takes you to the refreshment room where cookies, crackers and coffee or soda are dispensed.

You feel absolutely ten feet tall!

### HONORABLE MENTION

To Professor Claude E. Shannon (Mathematics), the National Medal of Science, presented by President Lyndon B. Johnson, February 7.

To Professor John G. Trump (Electrical Engineering) the New England Award of the Engineering Societies of New England, February 21.

### BOOM!

It was an ill wind, but it blew no one any injury, though it did demolish ten cars and a camper-truck in the Sloan parking lot last week.

A giant crawler crane, at MIT to remove the horizontal crane from the top of Eastgate, had nearly completed the job when high winds last Thursday halted operations. Parked between the Hermann Building and Eastgate, the crane was about to lower its 300-foot boom to wait for softer breezes when a 70 mph gust bent the boom backwards across the parking lot.

Hero of the day was Lt. James Olivieri of the Campus Patrol who directed operation crane removal. The only non-victim: a computer program of Professor David B. Montgomery salvaged from the crushed camper shown in the picture.

Though contributed stories for Tech Talk have never been many, contributions to this page have flowed freely since the very first issue, which carried four ads. Back in the early days ads were not abbreviated nor reduced in print size, and many were brief exercises in wit and wily salesmanship. But those happy days fell under the pressure of volume--21,658 ads printed to date. Abbreviations thrived and grew shorter, and print size shrank, once reaching the illegible low of only 32% of original size!

FOR SALE, ETC.

Florence oil htr, gd cond, \$15; K tbl, no leaves, \$5. Call 232-0484.  
 Thorens TD-124 trntrl; ADC 10E cart; Saligor tripod, br new, \$17; Wanted: baby sitter for Saturdays, esp a.m. X5758 or 354-2206 evgs.  
 Min poodles, 8 wks old. X3485 or BX5-7265.  
 Pin ball machine, gd cond, \$100. Andy Egendorf, X3161.  
 Free: min str-hair fox terrier, 2 yrs old, spayed, used to children, exc pet, needs gd home. John Ruth, X3847 or 648-0592.  
 SX 101A recvr, used 30 hrs, was \$420, now \$220. X4462.  
 Skis, 6'6", metal edges, rel bindings; 9 1/2 boots, gd cond. X7130.  
 Kodak 35mm camera, f/4.5 dynamic shutter, mint cond, best offer. X3531.  
 Util 4'x7' wd frame trailer, built on Ford rear axle, metal sides, gd rubber, req lights, sturdy, \$100 or best offer. Cliff, X5095.  
 Snow tires, 7.50x14, used about 1K, \$20 or best offer. Paul, X7208.  
 Allstate 6.85x15 silent mtd snow tires, used 3 mos, \$35 or best offer; Silvertone solid st stereo, 4 mos, \$85 or best offer. Paul, X645 Linc.  
 Zenith 5-spkr stereo hi fi, 4 yrs old, gd cond, \$70. Terry, 266-5892 evgs.  
 Exchange '65 Fiat 1100-D, 26K, exc cond, for recent runabout w/motor or sailboat. A.H. Litchfield, X6947.  
 Beagle, yr old, spayed, AKC, wonderful pet, \$25. LA7-8456 after 4 p.m.  
 Wedding dress, 10, worn just once, was \$130, now \$100. X5593 Linc.  
 Head skis, 6'5", never used; binding w/Nevada heel & toe, used 5 times, \$120, will bargain. Deedee, X3717.  
 Guild Mark II class guitar w/Morton hrd case, \$145. John Unger, X5732.  
 Broadloom carpets: gold, 17'x12', \$120, eggshell 14'x12', \$105; Frigidaire fl auto clothes dryer, exc cond, \$100. X1109 or 969-5898.  
 Singer button-hole, zipper, binding attach, bobbins, \$5. Joyce, X5361.  
 Woman's ski boots, 7, almost new, were \$38, now \$15. Edwards, X6249.  
 Metro Art Seminars, 12 vol, never opened, orig \$45, best offer. Peggy, X3821.  
 Lg Westinghouse refrig, gd working order, curiously painted, \$30. X5518 Linc.  
 Mary Proctor iron, \$5; GE vac clnr, \$13, exc cond. Carlos, 547-0938 evgs.  
 Port TV, 1 1/2 yrs old, \$50; bassinette, stroller, car seat. Call 868-9348.  
 Electrovoice wolverine spkr sys (2) w/woofer, midrange & tweeter, \$75; other comps. L. Coris, 491-3577.  
 Lady's winter coat, wool, 10, \$20. Douglas, X5726.  
 Comp LR set incl tbl & lamps, used 8 mos, \$125. Jones, X6030 or 254-3181.  
 Port tape rcdr, new \$100; port typwr, new \$145; Blaupunkt AM-FM-SW car radio, new \$150; best offers. Call 864-4252.  
 Scott S-2 spkr, orig \$200, sacrifice at \$59. Call 491-7967.  
 Decorative antique ship model, \$25. Call 864-3470.  
 Nikkormat FT sgl-lens reflex, f/2, 50mm lens, through-the-lens mtr, exc cond, only 5 mos old, \$160. Call 598-6392.  
 GE 8 cu ft refrig, deluxe, perf cond, \$45. W. Ryan, X3997.  
 Fischer 6'10" hickory skis, metal rim w/Dovre bindings, used 5 times, new value, \$70, asking \$45. Boots, 10, exc cond, \$15. Ben Ashton, X2871.  
 Nat opossum coat, dress size 9-10. John Golis, X2461.  
 Lg man's ch, maroon lady's ch, mahog cocktail tbl, all very gd cond, best offer. Call 296-0040 evgs.  
 Black winter coat, 12, worn less than season. X4733.  
 Sofa, 90", orig \$350, now \$60; formica wal DR tbl w/leaf, \$15. Call 491-0486 evgs.  
 Skis, 6'5", metal edges, rel bindings, 9 1/2 boots, \$40. Call 868-4687 evgs.  
 Skis, Kneisl blue star, 6'7" w/Marker toe & trntrl, \$75. Call 893-5174 evgs.  
 New & used dresses, slacks, skirts, blouses, 9-14, reas. Call 666-3240.  
 McIntosh MA-230 amp w/cab, factory new, 10% off list. Call 924-7458.  
 Sony trans AM-FM R, best offer; compact wash mach, \$5; 12'x8 1/2 rug, \$4; old recl ch, \$5; desk, dresser, best offer. Call 354-7751.  
 Relaxacisor, comp w/access, orig \$230, asking \$125. Fisher, X5571.  
 Pr 8.00x14 ww's, less than 8K, \$15; pr 8.15x15 pwr cushion ww's, same mi, \$15. Rotundi, X5782 Linc.  
 Smith-Corona port typwr w/case, silent mod. Jack, X2445.  
 Wedding dress w/Alencon lace, 3/4 sleeves, 10, \$85. Nancy, X5278.  
 Girl's skates, 2 & 4, \$5; 6'6" skis w/bindings, \$10; long tbl that folds to coffee tbl, \$20. Burt Nichols, X261 Linc.  
 Retread snow tires, 6.00x15, used 3 mos, exc cond, \$8. Call 923-0547.  
 Symphonic stereo rcdr player, gd cond mech, one channel needs little work electronically, \$30. Dean, X4188 or 864-7561.  
 Koflach ski boots, 11M, \$11. Ted Cruise, X5287.  
 PTT solid st stereo recvr, \$75. Alan Merry X2871.  
 Costume jewelry sets, \$1 ea; skirts, sweaters, blouses, coats, 8-20 1/2; Encyc Amer, \$40; dishes; bsmt clearance. Ellie, IV4-5734.  
 Keeshond puppy, m, 12 wks, Ruttkey show stock. Dan Senior, X6446.  
 '57 Ford wgn, runs well, respectable looking, \$50; Smith-Corona typwr, \$50; Trumpet, \$50. Call 354-4613.  
 '58 Cadillac, gd cond, \$300. Call 391-4310.  
 '59 Ford 2-dr, auto positrac, V-8, perf cond, 6 new tires, \$125. McEwen, X3422.  
 '59 Buick Invicta, p st & br. X6406.  
 '60 Falcon wgn, 15K on eng, new tires, \$425. Call 868-3216.  
 '61 Dodge 4-dr hrdtp, auto, p st, 8 cyl. Cal Culver, X6422.  
 '62 VW sunrf, new AM-FM R, low mi, one owner, best offer. Stanley, X5556 Linc.

'62 VW bus, new eng & br, one owner, \$500. Chevalier, X5079.  
 '63 Citroen 8-passenger wgn, exc mech cond. Call 262-1067.  
 '63 TR-4, new roof, int & paint, \$1295 or best offer. X4404 2-5 p.m.  
 '64 VW sunrf, R, 43K, \$875. Joe Nemece, X7175.  
 '64 Linc Cont, fl pwr, 38K, exc cond, \$2400. Tess, X7410 Linc.  
 '64 VW, great service record, exc cond, R, \$900. Clark Graham, X4327.  
 '65 VW, sunrf, roof rack & ski rack, \$1000 or best offer. Call 864-7393 evgs.  
 '65 Mustng 2-dr deluxe, 8 cyl, R&H, auto, ww's p st, 13,500 mi, \$1750. Dick Wertz, X2640 or 266-2049.  
 '65 VW bus, \$1200 or best offer. exc cond in & out. Bob, X2255.  
 '65 Corvair, 140hp, 4 spd, R&H, 4 SP 41 tires, 2 snow tires mtd, exc cond. Paul, X5019.  
 '65 Barracuda, exc cond, 15K, 8 cyl, auto, ww's, R&H, 5 yr warranty, \$1700 or best offer. John, X4956.  
 '66 VW campmobile w/tent, lug rack, pullout R, like new. Call 484-0680.  
 '66 Toyota land cruiser, 4-wh drive. X5746 Linc or 484-7536.  
 '66 Mustng 289, 3 spd, R&H, ww's, less than 6K. Bill, 944-3230 evgs.  
 '66 GTO, fl equip for pleasure & perf. Call 332-0481 evgs.  
 '66 Pontiac Ventura 2-dr hrdtp w/mtd snow tires, any reas offer. Bob, X3485.  
 Ashmont-Dorch 6-rm renov apt, 2nd fl, tile B. AV2-8777.  
 Bellingham 6-rm split entry ranch, partitioned bsmt, 1/2 acre corner lot, fenced yd, sm neighborhood, \$18,900. McCarthy, 473-8707.  
 Bel 4 1/2 rm lst fl apt, new brick garrison 2-fam, exc back yd, conv to trans, avail 4/1. Dick, X130 Linc or 484-3659 evgs.  
 Burl, 6-rm ranch, 3 BR, 1/2 acre wooded lot, 10 min from Linc, \$18,900. X5880 or 272-2896.  
 Camb, Cent Sq, 4-rm apts, new paint, furn & unfurn, \$120-\$140. X1232.  
 Camb, 1 BR apt nr Harv Sq, \$135/mo incl ht, lease till Sept. X2562.  
 Camb, 2 BR, LR, K, furn apt 10 min walk to MIT, \$150/mo incl util, avail 4/1. Hanamura, X5598 or 354-6573.  
 Camb, Maple Ave, lg furn comf rm, off-st pking avail, \$15/wk. Call 876-8188.  
 Concord, upper apt in priv dwelling, 2 lg rms, sm K, fl B, closets, nr Rt 2, couple or 1 adult, no kids, \$100/mo. Call 369-3680 evgs.  
 Lex, 6-rm house, garrison col, wooded lot, very gd cond, storm windows, elec water htr, etc, \$26,500. X4923 or 862-9045 evgs.  
 Lex, contemp 4-BR, 1 1/2B, corner lot, nr Estabrook sch, \$35,000. X2273.  
 N. Dennis, lg lots, water view of Cape Cod Bay, \$3500 & up. X4212.  
 Waltham, 7-rm ranch, panel bsmt, enc porch, 1/4 acre fenced, nr trans & sch, \$27,500. Call 894-6281.  
 Wilmington, 3 BR ranch, 26'x40', 8 yrs old, nr trans & sch, asking \$17,900. Call 658-3758.  
 Will do sewing and knitting, gd quality. Call 354-5240.  
 Wanted: Gustavsberg Lotus Gul china; have partial set. X5129 or 547-9089.  
 Wanted: daily ride, Rt 1, Lynnfield to MIT, 9-5, morn or eve. X4962.  
 Wanted: fem rmmate for mod Camb apt w/2 others, \$65/mo, own BR, conv to Harv & Cent Sq. Ginger, X6153.  
 Wanted: ride, Avon to MIT, 9-5. X6482.  
 Will do typing, theses, reports, etc. Call 783-0793.  
 Wanted: piano. Heidi or Linda, 267-7178 evgs.  
 Wanted: 35mm slide proj, will pay up to \$20 depending on wattage & cond. John, X1231 or 648-7016 evgs.  
 French speaking woman will translate or tutor. Mrs. Aird, 254-8806.  
 Wanted: sitter, 11:30-2:30, days arranged, lg fam, Milton. OX6-3377.  
 Wanted: Martin O-15 or O-17 guitar in gd cond; also Gibson LG-1 or G-25 or Guild F-20 or F-30. Pat, 244-6259.  
 Wanted: woman's ski boots, 9. Dan, X5006.  
 Wanted: fem rmmate to share Camb apt w/2 others, \$53/mo. Jane, X6778.  
 Swap 38"x78" bed for smaller one or sofa, also port TV. Yadi, X3211.  
 Marblehead commuters, Help! grad student nds ride home about once/wk. Tony, 876-6831.  
 Wanted: piano in gd cond. X5675 or IV4-2542.  
 Wanted: shipping trunks & covered lug rack for car. Selling ironing bd, man's bike, mops, brooms, etc. Frank Yin, X2420.  
 Wanted: male rmmate, Allston, \$50/mo. Bob Lapin, X6023 or 254-4324.  
 Wanted: tall book case. Males, X5043.  
 Wanted: daily ride, Burl (Wd Hill Estates) to MIT, 9-5. Roberta, X3908.  
 Wanted: ride to U Mass or vic, lv Friday eve, return Sunday eve, share exp. X5656 or 566-8044.  
 Wanted: Victorian brass dbl bed. Molli, X5673.  
 Wanted: dictaphone transcriber in working cond, reas. X4362.  
 Seamstress will do alterations or orig designs. Kathel, X6482.  
 Wanted: fem rmmate to share Camb apt, \$40/mo. Olha, X2172.  
 Wanted: girl's bicycle. Arlene, X4170.  
 Learn to fly! Miss Godfrey, X4469.  
 Wanted: daily ride, Quincy to MIT, 9-5. Jan, X7224.  
 Wanted: fem rmmate, Camb, nr MIT, own BR, \$70/mo. X3804.  
 Wanted: ride, Hingham Ctr to MIT, 4:30 p.m.-12:30 a.m. Tom Walsh, X4127 or RI9-2071.  
 Wanted: thesis typing. X2561.