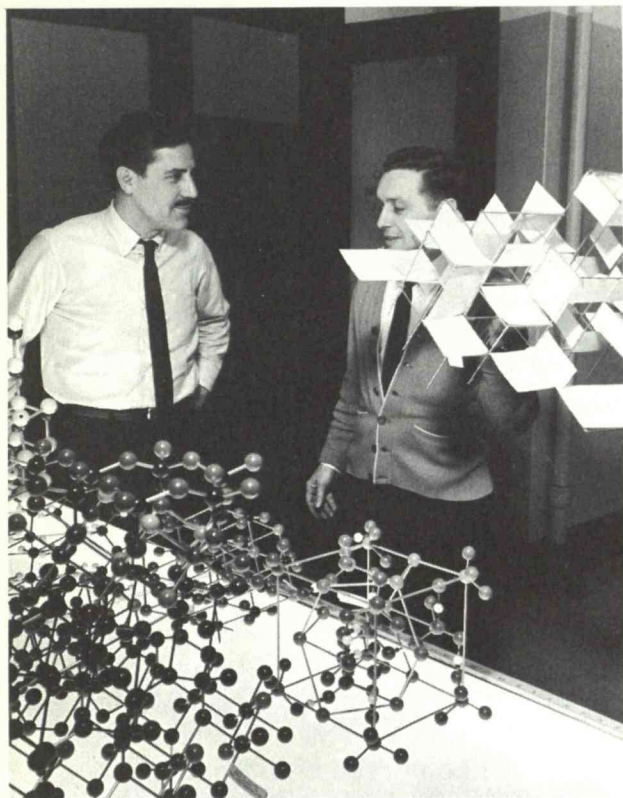


Duca (left) and Mullendore



Designed to interest



--TT photos by Bob Lyon

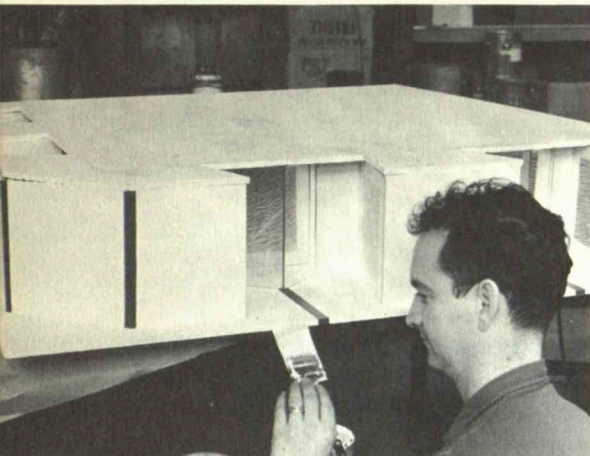
SCIENCE, TECHNOLOGY AND ART

It was quite a show. Hundreds of curious onlookers stopped, looked and admired the Dept. of Metallurgy's exhibit in the lobby of Bldg. 7 last week. A scaffolded cubic structure supported several displays depicting the increasingly important roles metallic and ceramic materials are playing in the fields of electronics, space technology and energy conversion.

"De Re Metallica," the title of Metallurgy's second such exhibit came from an early book (1556) on metallurgy. Engravings from the book were enlarged by Photo Service and used as background in the exhibit, and together with prints and paintings showing aspects of modern science and technology, added an artistic touch which helped to interest passers-by.

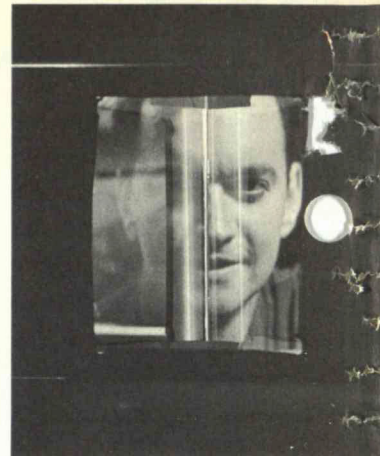
The exhibit--a composite of ideas of some 20 members of the department--was directed by Dr. Arthur W. Mullendore, assistant professor of metallurgy, assisted by Alfred Duca, research associate in metallurgy and well-known Boston artist. The central structure was designed by 3rd year architecture student Nicholas Negroponte from Greece, and erected by Pat Kearney and crew. Pat is a technician in metallurgy.

Displays included advances in glass fiber optics, laser and maser materials, and the powerful work the field ion microscope can do. The single crystal display appeared to be of interest to many people, as it represented improvements in the semi-conductor, laser and transistor fields.



Catching a candid glimpse of viewers was left to the ingenuity of metallurgy technician Tim Curran. Tim constructed the stereo viewer, a display showing electron micrographs and x-ray microradiographs in three dimensions (left). The viewer works by reflecting two stereo photos on mirrors placed in a V-shape. By looking in the box, the eyes will see "one" three-dimensional picture. In one of the boxes, Tim used partially silvered mirrors, so that the person looking in could be seen through the glass. He then placed a small TV camera behind the mirrors within the complete display and wired many a candid glimpse to a TV screen. Photo at right, shows sample (Tim) of what the camera saw.

--TT photos by Bob Lyon



INFECTON AND NUTRITION STUDIES

Why not trade a headache for three free meals and \$5 a day?

It can be done by participating in the infection and nutrition studies being conducted by members of the Dept. of Nutrition and Food Science. Project researchers are in need of subjects who are not feeling up to par--preferably males between the ages of 18 and 26.

Interested persons should report first to MIT's Medical Dept. and pick up the circular explaining the study from receptionists Mrs. Kingston or Mrs. Eldridge. There also a doctor will check to be sure the condition is not serious.

Basically, these persons with slight infections, such as a headache, fever, stomach upset or an abscess, will be fed a prepared diet and the researchers will study the individual's protein metabolism. In order to make an analysis, the infection test must continue for three days--during which time the individual reports for all his meals to the Dept. of Nutrition and Food Science's dietary kitchen (Room 16-209). When the volunteer has recovered from his condition, and at his own convenience, the same diet will be served to him for another six days. Each volunteer will receive all meals free of charge and \$5 each day he is involved. He will also be reimbursed for any meals contracted for, but missed.

The project is being conducted by Dr. Nevin S. Scrimshaw, head of the Dept. of Nutrition and Food Science, Dr. Guillermo Arroyave, visiting professor, and Jean-Pierre Habicht, M.D., research associate.

REMEMBER: GIVE SOON

Have you registered to give blood? If not, you had better do so as soon as possible, for Monday (April 1) the MIT 1963 Blood Drive will begin, continuing through Thursday (April 4).

All blood will be taken in the Armory (W31) from 9:45 a.m. to 3:45 p.m. during the four-day drive. Appointments are being arranged at approximate 15-minute intervals and the entire process--including medical screening, donation, rest and refreshments--should not take more than an hour.

Donors should not come with empty stomachs. You should eat your meals at regular times and the usual amount. You should, however, go easy on milk, butter, bacon, ham, gravies and other fatty foods during hours prior to donation-time.

A total 223 pints, more than last year, were donated at Lincoln Lab, March 14 and 15.

INFORMATION, PLEASE

An information service has been installed in MIT's Telephone Office (Room 10-285). Primarily for outside calls coming in, the Information Console is also available to the Institute community on Ext. 3652. The procedure was designed by Professor Carlton E. Tucker, professor emeritus and lecturer in electrical engineering, and the N.E. Telephone Co.

The Information Console is unique, its main feature being that once the switchboard operator transfers a call to it, the operator there can look up the information needed and complete the call without returning to the main switchboard. According to Prof. Tucker, an authority on the Bell System as well as MIT's complex, this is the first one of its type in existence.

Two operators maintain the 10 lines on the Information Console. And, they are kept busy, for incoming calls which require personnel or extension information have numbered approximately 500 during a normally active day. The new service will help to alleviate heavy switchboard activity, and therefore somewhat diminish busy signals on incoming calls.

For inside-MIT calls, the Information Console works a little differently. If you should

need extension information, dial Ext. 3652, the operator will find the number for you, and then you have to dial yourself.

The Telephone Office offers this service too. Any person or group moving from one room or building to another may take his telephone extension with him. For example, the Comptroller's Accounting Office is scheduled to move to Technology Square in mid-April and plans have been made for all individuals involved to maintain their present extensions. To keep one's number, the supervisor must request it when the move order is placed.

By the way, if your extension has changed since the publication of MIT's Telephone Directory, January, 1963, please let the Information Service (Ext. 3652) know.



MIT telephone operators, Peggy Donahue (left) and Doris Carberg on new Information Service.

--ITT photo by Bob Lynn

MR.
MRS.
MISS.....

..... Last Name First Initial

Home Address.....Date of Birth.....

MIT Dept. and Room Number.....MIT Extension.....

First Time Donor?

If not, date of last donation: (a) Red Cross.....(b) Non-Red Cross.....

Date and time you prefer your appointment:.....
1st choice 2nd choice

Please return to solicitor or Room 3-017

Students return forms to TCA

MIT-RED CROSS ANNUAL BLOOD DRIVE

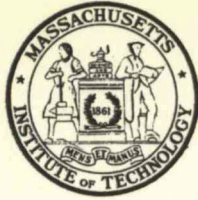
Date:.....

This space for Red Cross

Blood Type -- Rh

FOR SALE ETC.

- Royal typewriter, practically new, port model w/case. \$20. NOS-7683.
- Naval Officer's Uniforms, 1 blue, 1 tan, & 1 blue overcoat, sz 42 long, exc cond. \$85, or sold separately. Walt, ext 2749.
- Lovely pink on white full length prom gown, worn once. Orig \$90, asking \$40. DA2-6893 after 5 p.m.
- 11.6 cu ft "Coldspot" refrig, 8 mos. old. White enamel K util cabinet, exc cond. Paul, Lincoln ext 391.
- Baby crib, maple, like new, \$35. Andy, ext 5472.
- Will type non-technical, non-scientific papers and theses. L. Dickson, 7-344, ext 4462. KI7-1874 after 6 p.m.
- Classical LPs for sale. Mint cond, \$2 each. Call J. Brook, KE6-6942 evgs.
- Eng. traditional console DR table, seats 12, folds to 38x21, exc cond. \$35. M. Lels, ext 5415.
- New BR furn, 4 pieces, French Provincial, \$100; ironer, GE refrig, Florence oilburner. M18-8199.
- Gonset Communicator III, 2 meters w/Halo, Crystals and Nuvisator preamp, \$180. R.E. Bruneau, 266-5748.
- Brand new 3-octave concert xylophone, lady's accordian & small sz violin, both made in Ger. UN4-3929 after 5pm.
- Twin-sized walnut bkcase bed w/matching night table; also spring & mattress. Used for 5 mos. \$140. Call ext 2751 or UN4-8897 evgs. Gerry O'Sullivan.
- Swivel chair, easy chair, desk, rugs, mirrors, tables, lamps, drapes, curtains, traverse rods, cornices, K-ware, linens, serving cart; men's clothing & misses' clothing. Trading stamps exchanged. B14-6817.
- 19' Frost centerboard sloop w/exc rigging & dacron sails. Is being sacrificed for \$800. Marvin Kaye, FL9-2289.
- 1 Martin Classical guitar, Model 00-186, 8 mos. old. \$125. Ext 3710, Fred or ED5-5983 evgs.
- Land for sale. Beverly, 34,000 sq ft 210' frontage, water or sewer up to feet 40' of frontage. Price \$3400 or make offer. Call JE2-1306 after 5pm.
- Apex auto washer, top loading, 9lb capacity, fiber glass tub, small fl space required, \$40. Baby crib w/mattress, \$5. Plymouth Shop Service manual, 1957-58. Plaza, Savoy, Belvedere, \$2. Call Lincoln ext 7522.
- Bendix economat washing mach, good cond, \$30. Desk, good cond, \$25. Call EL4-8133 evgs.
- 100% Cashmere sport jacket, sz 42 long. Brown w/blk check, brand new, \$55. Call CE5-9516 or ext 3110.
- Practically new wringer type Maytag washer, no reasonable offer refused. EL4-0862 after 5pm.
- WFL-Snare drum w/stand, Slingerland High Hat w/\$10 Aletjea cymbals, accessories. All for \$65 or name price. Ext Z110 or 237-9706. Ted Labuza.
- Tutor in conversational English for wives of foreign students. Will come to your house. VO2-2754. Mrs. Russell Scheveickart.
- Mandolin flathack banjo 4 string w/resonator. Both in good cond. M. Spivack, 625-1495 evgs.
- Maple bkcase, 31"x31" for \$17; K table w/4 chairs \$30; couch in good cond, \$35. KE6-4470 evgs.
- Baby-sitting pool: If one interests you and you live in the Newton area, call Mrs. Seasholes, WO9-5927 before April 4.
- LEFT IN Infirmary, pair eyeglasses. Leather case marked Michaels. Contact Mrs. O'Sullivan, ext 4486.
- Maple den set, lamps, tables, China closet, sofa bed, rocker, footstool & chair. Orig cost \$600. Used 6 mos., asking \$250. J. Rumson, MO6-3240.
- Sofa bed green frieze, foam rubber, 2 cushion style, opens to full sz bed, exc cond, \$45. M13-6465.
- Solid hickory 6'1" skis, lots of camber, complete w/bindings, \$15. "I learned to ski on them, so can you." M. Kenny, ext 4879 or LO6-3176 evgs.
- Car radio, Stromberg-Carlson, incl speaker, antenna 2 yrs old, \$30. Ext 5298 or RE4-1634, Dave Towell.
- Dynakit model TAS-2 stereo preamp, \$15. Ralph Farnham, ext 82-249 (Bedford Flight Facility).
- Bridal mantilla, alencon lace, orig \$40, yours for \$15. Call 876-0652.
- Evinrude 7 1/2 hp outboard motor (1956), exc cond, M18-6238 evgs.
- '54 Vagabond house trailer, 41'8" wide, sleeps 6, 2 BRs, full sz bath w/tub. Located at Lakeside Trailor Grove, Buzzards Bay at the Great Silver Lake. Call 274-6205 Bedford, Mass.
- Nearly new furniture, must be sold. 491-0838.
- 1 single bed w/head & foot board, \$25; bureau, \$10; 10'x12' yellow broadloom carpet plus mat, \$75; bkcase, \$5; bed spring, \$5; blue rag rug, 4'x6', \$10. TR6-4555.
- Pleasure horse, Eng. or Western, young, intelligent, Gelding. Will go on vans, ignores cars. Mrs. Lutz, ext 4893.
- Thesis typing: Call Jean Willette, CO2-1870 evgs.
- Miniature Mexican Chihuahuas, regis. stock, American Kennel Club. Mrs. McKenzie, UN8-7294.
- Woman's Chicago roller skates, maple wheels, toe stops, sz 7, \$9. See skates in Room 6-329. Also single light wooden frame bed, white, regular spring and mattress, \$14. CE7-0067.
- Bridesmaid's dress w/petticoat, full length, Rose silk organza, sz 13, white pillbox hat. Complete \$35. Ext 3313 or ST2-2398.
- Lady's beige raincoat w/attached hood & zip-in lining. Exc cond, \$10. VO2-6979.
- Handmade laminated hickory skis, nylon coated racing steel edges, \$20; w/safety bindings \$33; sticks, \$5; ski boots, \$20. Call Harold, ext 4558 or 491-0091 after 8 pm.
- Quality FM tuner: Scott LT-10, wired & fully tested, \$60, will haggle. 491-8872 evgs.
- Comp high quality stereo system w/records & tapes: Fisher amp, Thorens turntable, Grado arm w/ADC-1 cartridge, 2 AR-2A spkrs, Tangberg 4-track stereo tape recdr, Koss stereo headphones, 300 records & 100 recorded tapes covering music from 12th - 20th Cent. Old walnut table for components w/2 brass record cases, will sell as 1 comp system for \$900. Daley, ext 418 or EMI-4763 evgs.
- '51 blk Pontiac 4-dr sedan, good cond, auto trans, 1 driver, \$100. Ext 2722.
- '51 Pontiac, good cond, R, H, engine, etc. \$100. Call Bob, Lincoln ext 5820 or 648-5341 evgs.
- '53 Studebaker sedan, good cond, VO2-5584 after 5pm.
- '53 Ford ranch wagon, R&H, snow tires, overdrive, good cond, best offer. J. Houk, ext 5235 or TR6-8966 evgs.
- '53 Olds, good tires, R&H, fine running cond, fair body, \$75. Richard Haltmaier, ext 3960.
- Completely recon'd '54 Austin-Healey. Stored through winter. For info call Joan Lowe, Lincoln ext 7404 or CL9-8911 evgs & wkends.
- '57 Chevy Bel Air 4-dr sedan, 6 cyl, auto trans, 47,000 mi, R&H. Exc cond, best offer. R. Harlan, ext 4041 or ST2-1393 evgs.
- '57 Plymouth Savoy, white & red, 7 good tires, 2 new snow tires, 32,000 mi, unbelievably good cond. Call Miss Jones, ext 5361.
- '57 blk Ford convert, 55,000 mi, auto trans, power steering, R&H, very good both in & out, \$550 or best offer. Ext 191 or ST2-6471.
- '58 Fiat 1100, 4-dr sedan, 1 owner, 46,000 mi, exc cond, recently overhauled, R. \$475 or best offer. Call ext 3154 or EL4-3096.
- '58 Plymouth, 6 cyl, auto sta wagon, \$600. Call Bob, ext 5515.
- '58 Thunderbird convert, completely powered, good tires, exc mech cond, \$1100 or best offer. N. Anderson, Lincoln ext 645.
- '59 Ford, attractive-spacious, econ, 2-dr sedan, light green/white, 6 cyl, stand trans, R&H, snow tires, owner leaving country, best offer over \$725. Call K. Kresa, 81-7579.
- '59 Rambler sta wagon, R&H, std shift, good cond, 1 owner, Bunny, ext 2698 or BR2-2281 after 6pm.
- '59 Sunbeam Rapier convert, approx 30,000 mi, \$550. Tom Anderson, ext 3711.
- '59 Pontiac Catalina, 4-dr hardtop, power steering, auto trans, R&H, immaculate cond. 491-1319 after 6pm.
- '59 Rambler sta wagon, family car, 30,000 mi, best care, best offer over \$1,000. M18-8199.
- '60 MGA, 13,000 mi: '60 Alfa Romeo Sprint Coupe, 20,000 mi. Respectively \$1,495, \$1,895. Must sell one, KI7-3144.
- '60 MGA 1600 series, roadster, exc cond, motor & body. Best offer. M.J. O'Sullivan, ext 30-407 or 2961.
- '61 Pontiac Tempest, 4-dr sedan, R&H, auto trans, 1 owner, best offer. Lincoln ext 285 or M16-8532.
- '61 Metropolitan, 10,000 mi, good H, R & tires. Call S. Shuman, ext 655 or after 6 pm 491-1388.
- '61 2-dr Ford Galaxie, 6 cyl, std trans, 26,000 mi (will include 2 new snow tires). G. Wallace, ext 7423 (Lincoln).
- '62 TR-4, 6,000 mi, Mich.-X tires, seat belts, exc cond, best offer. Lincoln ext 7392 or 648-1602 evgs. Mike Sohtjan.
- '62 Vespa G.S., 2,000 mi, very well kept, ww's, spare tire, luggage rack, windshield, hub caps, floor mat, crash bars, horn cover, front fender guard & glove compartment. Paid \$650, will sell for \$475. Dolores Lunt, ext 5182 or 322-5822 after 6:30 p.m.
- Back Bay apt to sublet from early June until Sept. & on. Lg LR, entrance hall, 2 BRs w/lg windows, 6th fl, 2 tiled baths, elec K, janitor service, 382 Comm. Ave., \$175/mo. 266-5161 after 7pm.
- Apt sublet, Park Drive, Boston, LR-BR combination, K, bath, avail immediately. Will sell furn. \$65/mo. Roberta, ext 2387 or 262-1495 evgs.
- Sublet mod 2-BR apt in new bldg completely re-decorated, tile bath, cabinet K, \$120/mo. Children welcome. WA6-1528.
- Mod furn house in Concord for rent, 6/1-9/1/63. Lg LR, 3 BRs, study, playrm, 2 baths, fully furn, located on acre of land. EM9-4427.
- Unfurn 5-rm apt, 1st floor, auto gas heat, located near shopping ctr & schools, walking distance from MIT. EL4-0862 evgs.
- Carlisle, 2 level contemporary, 4 BRs, fp lg LR, fp DR, lg mod K, playrm, 1 1/2 baths, oil heat forced hot air humidified. 2 acre wooded lot, \$27,000. EM9-4867.
- 2 yr old split-ranch, West Peabody, 1/2 acre of land, birch cabinets, K dishwasher, 1 1/2 baths, 2 fps, 2-car garage. Griffin, 535-1576 after 6pm.
- Mod apt, LR-BR, den, K, bath, \$75/mo. Incl heat & hot water, located near Harvard Sq. Wish to sublet by May 1. Call ext 3724, Iris.
- 2-story "Conantum House", Concord, 1 acre, playrm, deck, 2-car garage, 4 BRs, study, LR, 2 baths, K, dining area. Share tennis courts, boat landing & common land. Late June occupancy, price in upper \$30's. Call ext 651 or 369-9238 evgs.
- 6-yr old 3 BR, 7-rm ranch w/garage in Waltham, finished cellar within walking distance of elementary school & 3 shopping ctrs. Lower \$20's. Call TW4-4186.
- Beacon Hill apt to sublet, LR, lg K (new stove & refrig), BR, bath, lg red hall, elevator. \$95/mo., avail May 1, earlier if necessary, willing to leave some furn. 227-7424 after 6 pm.
- Small apt suite for working girl. Mr. Martin, TR6-4420.
- Sublet Beacon Hill apt, 5-rms, \$140, unfurn. Interesting decor, avail immed. Mrs. McNeill, ext 3603.
- Private furn rm avail Apr. 1. Austin St., off Central Sq, 8 min from MIT. Private entrance, lg K & pantry shared, girls only, \$12/wk. Jean, ext 3636 or 3610.
- Belmont Hill, Garrison Colonial, 7 1/2 rms, 2 1/2 baths, K w/dishwasher disposal, BR & playrm in basement, attach garage, brick terrace, good shade trees. Occupancy, June 1, \$35,000. IV4-6006.
- House for summer in Needham, 4 BRs, 2 baths, porch, playrm, wooded area, sleeps 9, avail mid-June to Labor Day, \$250/mo. Ed Murphy, Lincoln ext 5794 or HI4-5821.
- Wanted: Rmmate (female). Replacement needed to share attractive, roomy Beacon Hill apt w/2 other girls, beginning April 1. Temporary arrangement possible. RI2-0052 evgs or 2709 days.
- Wanted: Used big trunk, about 10 cuft. Ext 4577 or EL4-7563 evgs.
- Visiting Prof. needs single hse in quiet residential area. 1-yr lease starting Sept. 1. Furn or unfurn. 5 children. Write L. Zaccaro, Box 12, Hiram, Ohio.
- Wanted: Vespa 400, windshield. Ext 2723, R. May.
- Wanted: Prof. & family want to rent furn hse in Lincoln-Lexington area for 3 mos. (June-Aug.) Call Mrs. Goldner, 926-2188.
- Wanted: Rmmate (female) 22-28 to share apt in Cambridge. Call Regina, Lincoln ext 5473 or 491-2961 after 6 pm.
- Wanted: To borrow or buy pilot's manual and/or tech manual publications on B-17 Flying Fortress. Info needed for scale model. Bill Harney, Lincoln, ext 7124.
- Wanted: Ride from Burlington to MIT/9-5. Carol O., ext 2752.
- Wanted: Boat about 14' w/or without accessories. 267-7905 evgs.
- Wanted: Catamaran 12'-16'. Please call ext 2513.
- Wanted: To buy small ice-box. Garcia, ext 3373.
- Wanted: House or lg apt for visiting Prof., wife, 3 children. June 15-Aug. 15. Must be in Camb. UN4-7853 evgs.
- Wanted: House or furn apt in Cambridge for visiting Prof. & family. 2-3 BRs required. 9/63 to 6 or 9/64. TW4-6078.
- Wanted: Camping equip, umbrella tent, camp stove, lantern. Call 272-2278.
- Wanted: Girl to share attractive 2 BR apt in Cambridge. \$67.50/mo. Call ext 151 or DE2-8257.
- Wanted: Used washing machine. Call WA4-7367.
- Wanted: One used squash racket, good cond. B. Rockover, ext 3843.
- Wanted: Typing-technical or non-technical. Call Herta Lerchbaum, ext 192, Rm2-265. AS7-9514 evgs & wkends.
- Ride wanted around 5 pm to Newton Ctr or Chestnut Hill at Rt. 9. Call Miss Levin, ext 2584.
- Wanted: Rmmate (female) C.S. to share 2 BR apt in Harvard Square. Call 277-8994 evgs.
- Wanted: Mother's helper to live in. Two children. Good pay. Call 646-7292 evgs.
- Rmmate wanted (male 21-26 yrs) to share new apt in Arlington w/2 grad students. LR, BR, K, bath, study rm. Near Mystic Lakes, MTA, parking. \$47/mo. Avail now to Sept. 1. Call John Benjamin, ext 2171.
- Wanted: Ride from Lexington Ave. (near Davis Sq.), Somerville to MIT and back daily. 9-5, can go earlier. Call Kathy, ext 737.
- Wanted: 1 BR furn apt for summer, June 1-Sept. 1, near MTA. Arthur Chen, ext 626.
- Wanted: Piano. Call ext 3428 or LA7-0551.
- Wanted: For Aug. or Sept. unfurn lg LR/fp, BR, K, bath within walking distance from Harvard Sq. for 1 person. Ext 5774 from 10-5.



OFFICE OF THE MEDICAL DIRECTOR
HOMBERG MEMORIAL INFIRMARY

CAMBRIDGE 39, MASSACHUSETTS

March 26, 1963

To: M.I.T. Community

Subject: 1963 Blood Drive

The annual M.I.T. Blood Drive will take place on April 1 - 4. It is very important that we contribute blood during the drive, if at all possible, as a successful drive will guarantee that any member of the M.I.T. Community will have blood available for himself or his dependents if a medical emergency should occur. Almost everyone from the age of 18 - 59 can give blood several times a year without ill effects. Blood is acceptable from a donor as soon as 24 hours after the donor has received oral polio immunization so the polio protection program will not interfere with the Blood Drive.

The Blood Drive last year was very successful with an 83% increase in donations. We should do at least as well this year.

Albert O. Seeler

Albert O. Seeler, M.D.
Medical Director

AOS:cm