

TECH TALK TECH TALK TECH TALK TECH TALK

MASSACHUSETTS INSTITUTE OF TECHNOLOGY March 12, 1970

BLOOD FACTS AND FANCIES

As Tech Talk went to press, the first 1,729 appointment cards were being delivered to those who registered early for this year's visit of the Red Cross Bloodmobile which began yesterday in the Sala de Puerto Rico. Another 300-plus registrations were being readied for a computer run last weekend. Thus, the drive opened on an auspicious note, but this is no time for overconfidence--more donors are still needed if we are to reach our goal for sure.

If you're still in need of a little encouragement to sign up, here are some points to ponder.

One fact stands out, especially in our world renowned technological institute: blood cannot be manufactured--it must be given. Giving a pint of blood is no great loss, either, because if you're an average person you have about 12 pints and furthermore, your body will replace the pint you donated within 24 to 48 hours.

There are four main types of blood, these divided by two--Rh positive and negative. The most common kind of blood to have is O-positive; 46 people out of 100 are this type. Then, in descending order come A-positive (40), B-positive (10), O-negative (7), A-negative (6), AB-positive (4), B-negative (1 1/2), and finally AB-negative with less than one person per hundred. From this, it is easy to see why donors with less common blood types are especially welcome.

Blood banking is one of the contributions to mankind made by Negroes. The idea of a blood bank was introduced in 1941 by Dr. Charles R. Drew, then director of the British Blood Plasma Project. He later became the first director of the American Red Cross Blood Bank which supplied life-saving plasma to the armed forces during World War II.

The need for blood has never lessened since. An hour of your time can provide a lifetime for someone else. There's a bonus for first-time donors. Six weeks or so after you give a pint of blood, the Red Cross will send you a donor card, giving your blood type and the date you donated. As bank books go, it's a great one to have!

SANDWICH in an appointment at the blood bank





Bill Duddy with Mr. Johnson and Mr. Gaudreau at the presentation ceremony.

AWARDS

Back in October some quick thinking and even faster action by Bill Duddy, a technician at the Draper Lab, saved the life of a fellow employee involved in an electrical shock accident. Such acts sometimes go unnoticed, but not in Bill's case. Two weeks ago he received the Liberty Mutual Life Saving Award at a ceremony in the President's office. The award, consisting of a plaque, was presented to Bill by Joseph M. Gaudreau, vice president and New England division manager of the insurance company. Previously, Raymond Sutherland of Lincoln Lab was similarly honored, following an almost identical accident in the Marshall Islands.

Dick Marcus of the Electronic Systems Lab and his wife were also honored recently, but for quite different reasons. They received a citation from the National Conference of Christians and Jews "for outstanding service to the ideals of brotherhood," as exemplified by their work with the Randolph Fair Practices Committee. The Marcuses' community commitment is wide ranging. They also work with the Massachusetts Federation for Fair Housing and Equal Rights, the International Student Association, the League of Women Voters, Big Sisters and Cub Scouts.

Congratulations can also go to graduate student Ajit Bhattacharrya who received the trophy for best player of the year from the Draper Lab Bridge Club.

NEW LOOK IN LIBRARIES

If you haven't been to the Engineering Library lately, you should make an effort to go. Not only has it been completely--and beautifully--remodeled, it has a new name. At the Corporation luncheon last Friday, the library was dedicated as the James Madison Barker Library, in honor of one of its great benefactors. Mr. Barker, a member of the Class of 1907, has been a member of the Corporation since 1934, and is the former chairman of the board of the Allstate Insurance Company. Missing from the dedication in person, but not in spirit, was Rebecca Taggart, head librarian who was temporarily hospitalized, but sent her greetings in a letter.

The most striking aspect of the renovation is the removal of the giant lighting fixture, which was believed to be the largest one in the world. Now in the central reading room you can look some 65 feet up to the skylight in the dome. The pillars and coffered ceiling enhance the lofty grace of the room. It is the first time in nearly 20 years that we can discover what the dome looks like from the inside as well as from the outside.

Usable space has been increased, too. The eighth floor which was used only for dead storage, has joined the sixth and seventh as stack and study space. The library is completely carpeted, including the periodical racks in the reading room. One important aspect of the renovation was the accommodation of Project Intrex, a novel concept in putting automation to work managing the vast quantity of published material, particularly in scientific fields. The carpeted periodical cases serve as sound baffles for Intrex's consoles.

HAPPENINGS

If you are a Gilbert and Sullivan lover, you'll want to mark your calendar for the MIT G&S performances of "Patience (or Bunthorne's Bride)" in Kresge on March 19, 20 and 21. Tickets are \$2 for Thurs-



Mr. and Mrs. Barker at open house in the Barker Library. Behind them is a hanging sculpture by Robert Engman.

day and Friday evenings and \$2.50 for Saturday. You can buy them directly in the Maclaurin Lobby or reserve seats by calling Ext. 4720.

There will be a unique happening this Saturday (March 14) at 7:30 in Kresge. The Portuguese Cultural Center is presenting Tuna Academica de Coimbra, a singing minstrel group of 42 students from the University of Coimbra, in their first performance at a university in this country. American visitors to Spain and Portugal have been delighted by these colorful wandering troupes. Further information is available from Manuel Amaral at 648-1190.

The monthly meeting of the MIT Community Players will be held Thursday evening (March 19) at the Faculty Club, beginning with cocktails at 7:30. The meeting starts at 8 o'clock and features a reading of "In the Matter of J. Robert Oppenheimer."



With Governor Sargent in charge, Tech II takes a turn around the track.

THE GREAT RACE REVISITED

The silent little white Corvair that captured our interest two summers ago is out of the garage again. Tech II, a significantly improved version of MIT's original electric car, made its debut at a press conference two weeks ago in Rockwell Cage. Further improvements and refinements will be made on the car in preparation for an intercollegiate Clean Air Car Race to be held this summer.

Like the car, the 1970 race will be more elaborate than its predecessor. Not confined to purely electric vehicles, entries can be steam, turbine, or even combustion powered or hybrids. The only proviso is that there be a significant reduction of pollutant emissions, hopefully close to the 1975 federal standards. Tech II, for instance, is electrically powered but carries a small gasoline engine which will be used to recharge the electric batteries while the car is moving.

The Clean Air Car Race is being jointly sponsored by MIT and Caltech--the opponents in the 1968 race--and is open to everyone who wants to compete. All vehicles must, however, be driven by college or university students from an accredited institution. Already there are more than 30 contestants registered.

The race will begin here in Cambridge with a week of trials measuring performance, safety, road handling, energy consumption and pollution levels. Then all cars will follow a pre-set route along public highways to Pasadena, where pollution measurements will again be made. Prizes will be awarded in each of the three categories, as well as to the big winner. The trials are scheduled to begin on August 17, and the cross-country race on August 24. Deadline for entering a vehicle is March 30.

FOR SALE, ETC.

Tuner and amplifier, great buy. Call 923-0582.
 Norge gas dryer, 1 yr old, 5 yr warranty, \$150. Bob X7856.
 Webcor Regent 5 stereo tape recorder, 8 track, port, orig \$250, now \$150 including access. Call Bert X4560 or 547-7331.
 Gonset 6 meter mobile converter. Call X7235.
 Honda CB 350, '69, 2 K, exc cond, \$625. Joanne X5417 Linc.
 RCA WO 56A oscilloscope \$60; 7" screen, AC/DC coupled frequency response to Imeg, orig \$289, perf cond. Melvin X4192.
 Head Slalom skis, 210 cm, exc cond, less than yr old, \$90. Call 262-9326.
 Crib mattress, exc cond, \$5. Call Sue X415 Linc.
 Brentwd chairs (4), import from Italy, few mos old, hand bent from beech w/ seats of cane, orig \$26 ea now \$15 ea. Call 776-2089.
 Frig. refrigerator, \$40; AM-FM radio, \$5. Susan X7263 Linc.
 Ski rack, pre '68 VW, \$5. W. Reid X112 Linc.
 Electroponic dual sys radio, AM/FM w/FM multiplex AFC w/8 track stereo cart tape plyr, 4 mos old, \$100. John Francis X4074.
 Fluorescent swing-arm desk lamp, inexpensive. Call X7115.
 Columbia 360K mono port phono, gd work order, \$25. Anne X6949.
 Boxer puppy, m, AKC, champ sired, shots, ears cropped, tail docked. Call X7711 or 235-7643.
 Pirelli snows for VW (2), \$20/ pr. Call Mke X4336.
 Twin bed, exc cond; long dk br hum hair fall, best offer. Aphrodite X2295.
 Good sized tbl w/book shelf; elec iron; dinette tbl pad; historical & pictorial book on Sweden, published 1932. Call 232-0484 before 9 pm.
 Human hair fall, dirty blond, \$40. Call X5329.
 Gas range, burner w/brain, rec mod, wh, asking \$95. Call 894-5253.
 Yashica Lynx 5000E, f 1.8 lens, case, 1 month old, brand new cond, \$50. Call X6463 or 274-6436.
 Bradford port stereo sys, spkrs, 4 sp, \$50. Joan X6624 afternoons.
 Baby walker-jumper seat; Wanted: full size baby crib. Call 734-1824.
 Magnacord 10-24 4 trk, 3 spd, 3 heads, exc cond, \$500 or best. Call 432-1925 Harwich.
 Estrada folk guitar, less than 6 mos old, exc cond, \$35. Guy X5597 Linc.
 White rabbit coat, size 10, best offer. Lana Hobbs X4152 or 523-6471 evgs.
 Headstrom wh wicker dressing table (like new) \$15; Queen size Harvard bed frame, \$9. Call 261-1270.
 Beautiful straw Easter baskets, \$3/doz. Call 484-9591.
 Remington typwrtr, port w/case, manual \$60. X5621.
 Hammond organ w/ bench, 96 chord, 2 foot pedals, asking \$300 or best. Call X2727 or 643-6465.
 Lafayette HB-23 citizens band receiver. Call X3462.
 Maple bed & frame, gd cond, \$50 or best. Call 233-0183 after 6 pm.
 Brooks Bros. sports coats- brown cord, & checks; suits, - black pinstripe, 39 reg., overcoat 42. Hockey skates & baseball cleats, 10. Call 646-3059.
 Free: guinea pig. Norman X253 Bedford or 655-5940.
 Lively orange kitten, about 4 mos old. Alice X6820.
 TV, old b & w, v cheap; misc tech books, toaster; Garrard chgr, nds minor repairs. Call X7626 Linc or 868-6943.
 Corvair wheels/tires, first line, nrly new, \$30 for 2. Dick X2180.
 AKC Bassett pups, 7 wks old, also champ stud service. John Fish X5411.
 AKC registered German Shepherd, 21 mos, descendant of Rin Tin Tin; 2 Ford wheels, \$3 ea; 5 skin mink neck scarf. Carol X107 Linc.
 Winston sol state 14 transistor port radio, \$20. Ken X6886.
 RCA AM/FM tbl radio w/ phono jack, \$20. Alice X1776.
 Realistic DX 120, solid state shortwave recvr, AC/DC, 2 mos old, orig \$75, now \$50 or best, must sell. Call Charlie X3312.
 Med brown short human hair wig w/ hd form & case, \$50 or best. Paula X6278.
 Zenith stereo, floor model, 5 yrs old, top shape, \$70. Jane X3762.
 Zenith 23" b & w TV, \$40; Hlywd bed w/Sealy matt & box spring, \$40; Mpl bed frame, \$15; oak swive chr; dresser w/ mirror; chrs. Call 666-9115.
 VW engine, '61, gd cond, recent valve job, \$125. Dave X5232.
 Camel color winter coat, 12, , mandarin collar, new. Call Kathy X3136.
 Norelco man's speed shaver, gd cond, \$10 or best; pr man's black roller skates, 8, \$10 or best. Call Maureen X6278.
 Olympia pica port, like new, \$50. Call 491-4670 evgs.
 Sealpoint Siamese kittens, \$25. Kenneth X3750.
 Parlor concert grand by Chickering, v beautiful antique in gd. cond, reblt & v gd instrum as to tone & touch, \$695. Call 944-2138.
 G.E. elec htr, 4 mos old, thermostat control, safe, \$25. Donna X7884 Linc.
 Authentic & battered psychiatrists couch. Lana X4152 or 523-6471.
 Dwnfilled 3 cushion 86" couch, orig \$450, now \$250; stuffed chr \$25; maple bureau \$30. Call X5134.
 Radio amateur rcvr, NC-300, exc cond, w/cryst calibrat, \$95. Call 354-6281.
 Kneissel Wh Star racers, 205 cm, gd cond, \$50. Joyce 566-1748 evgs.
 Maternity dresses 10-14; once worn pink, empire, fl length gown w/dk pink bodice 13/14; 3 sets 64" orange drapes; set wh curtains. Call 868-8733.
 Emerson stereo port phono, gd cond, diamond needle, \$27. Call 868-9066.
 Honda 350 scrambler, '69, \$600. Call John X7630 Linc.
 Marantz turntbl; Shure cart; AR amp w/case; pr AR 2ax spkrs; Shure preamp; pr Koss PRO-4a phones. M. Miller P.O. Box 278, M.I.T., Cambridge.

Brand new sew mach, still packed, orig \$230, now \$180 or best. X6938.
 Lynn 40' alum extension ladder, 1 yr old, was \$110, now \$65. Call 864-4725.
 Standel artist "XV" amp, great for bass, organ; Rhythm 15" spkr, 88 watts, orig \$500, now \$200. Ray 491-2146.
 Elgin sew mach, exc cond, has all features, \$75. Call 933-6741.
 Membership in Tech Flying Club, Hanscom Field, Bedfd, \$50. X6887.
 '69 Chevelle, maroon, blk vinyl top & inter, 396 eng, 4 spd fl shift, 375 hp, snows, rear spkr, mag wheels, less than 10K, \$2500. Call 523-6924.
 '69 Mustang, sport roof, auto, 351 V8, p st, ex cond. Gordon X7411 Linc.
 '68 Buick LeSabre, 2 dr fstback, wh & blk inter, all power, less than 20K. Call 535-2440 evgs. Peabody.
 '68 Dodge Charger, \$1995. Call Janice X6737.
 '68 Mustang, hdtpr, 6 cyl, auto p.st., exc cond, \$1700. Claire X4604.
 '67 Buick Special, 4 dr, 8 cyl, p st, auto trans, \$1500. Call 969-7100 X211.
 '67 Valiant, 2 dr sedan, exc cond, 6 cyl, auto, r, 20K, 5 tires & 2 snows, \$1300. Call 891-6283 evgs.
 '66 Cortina wgn, reblt eng, clutch, br, \$850. Al X6461.
 '66 Chevelle SS 396, 4 spd, buckets, exc cond; Keystone auto batt, \$25. Call Bill 365-3950 or X7308 Linc.
 '65 TR Spitfire Mk II, exc cond, snows. Call X2276.
 '65 Mustang hdtpr, 6 cyl, auto, p st, r & h, \$775 or best. Nora X636 Linc.
 '65 Mustang, 6 cyl, auto, blue, exc cond, \$750 or best. Call 924-0766.
 '64 Chevy Impala, 50K, nds work, \$500. Jerry X4576 or 787-4832.
 '63 VW, red, snows, new batt, gd eng, exc cond, \$550. X7544 Linc.
 '63 Rambler wgn, 6 cyl, st, exc tires, body & eng, gd cond, \$200. X7779 Linc.
 '63 MGB, wh, snows, new cl, nds slight body work, \$625; hdtpr \$75 extra or will sell alone. Stanley X6520 or 492-7714.
 '63 VW bus, reblt eng & trans, new batt, 2 extra snows, \$320. Call 648-0072.
 '62 Alfa Romeo, new paint, top & tonneau, reblt eng & trans, new rear shocks, \$850. Call X7427 Linc.

Allston, 3-BR summer sublet, \$230/mo, Comm Ave. Call 254-1890.
 Arl, 2-BR sublet, furn, pkg, ht, 4/26-6/27, 25 min to MIT, air cond, out laundry. Don Murray X6179 or 643-0254.
 Brkl, avail 4/15 & 5/1 & 5/2, elegant apts, 6 rms, newly remodeled & redeck, in brick twnhse, dishwasher, tpi, DR. Call Arlene X6013.
 Linc Lab area, effc apt for CAES fellow & wife, 6/1-8/1. Dr. Daniel X7400.
 Som, School St, 1-BR, \$130/mo, avail now. Call 776-1641.
 Washington D.C., beautiful 4 rm summer sublet, furn, overlooking zoo, avail 6/1/70. Call X 2708.

WANTED & MISC.

Will do typing; thesis, reports, papers, statistical. Jean X1781.
 Truck tires, 7.50x16, 8 ply. Charles X5783.
 Cheap bkcases. Judy X2526.
 Will babysit. Margrit 783-0734.
 Prof family nds sitter daily, 9-5, yr home or ours. Carol X7491.
 Elec broom , inexpensive, gd working cond. Call 523-2843 evgs.
 Riders from Melrose-Malden to Draper Lab, Albany St. Paul Pitts X3577.
 Secretaries & office wrkrs, who haven't received wage questionnaire of the Women s Employees' Grp. call X6636.
 Daily ride E Acton, Rte 2A to & from MIT, 8-5. Leida X2375
 Will babysit in my Wstgt apt on reg day basis. Call 876-5047.
 Daily ride VFW Pkwy W. Roxby to MIT 8 to 8:30, will pay. Pete X5007.
 Fem rmmte for Beacon Hill apt, own rm, \$53 + util. Wanda X7333 or 742-0139.
 LOST: Gold cross, Thurs, 2/19, on campus. Call Mary X5066.
 Fem rmmate, Bright sublet, \$92.50/mo. Rona 876-1111.
 Scuba tank, snl, 72 cu ft, w/back pack. Call X6824.
 Second hand ladies bicycle. Liz X3386 or 354-4673.
 Visit prof home, 1970-71. David X7206.
 Tutor in Italian, native preferred, willing to pay. Sylvia X3420;
 Small utility trailer, gd cond. John X149 Draper ll.
 Sofa, inexpensive; bkcases; kitchen equipmt; lamps. Marge 491-7464.
 Will do typing, pref strait. Linda X7532.
 Vacuum cleaner. Call X2591
 Tickets (2), possibly reservations, to Oberammergau Passion Play, 8/17-8/31. Call 592-4737.
 Child's outdoor jungle gym. X695 Linc or 862-5686.
 Elec blender; mixer; elec fry pan. Marcelo X6786 or 868-5166.
 Metal folding chrs for church school. Moe X3494 or 4014.
 Visit prof nds 3-BR furn hse or apt for July & Aug. Call 235-9335.
 Exp typist, accurate & reas, thesis, papers. Call X7721 or 864-2485.
 Furn, gd quality for summer home. Mike X5867 Linc.
 Inexpensive couch, end tbls & lamps. X145 Draper 7 or 298-9075 evgs.
 Westgt or Eastgt apt for 3-4 wks during summer. Norbert X7065.
 File cabinet, 2 drawers. Achilles X6853.
 Photo enlarging equipmt. Call 729-4365.
 Outboard motor, approx 7.5 hp, running cond. Don X5869 Linc.
 Typing, thesis, reports. Call 666-8891.
 Typist, can use electric IBM; composer gd pay, part time. X5986.
 Hse in Lex, 7 + rms, low \$30's, summer occupancy ok. Call 484-2808
 Ride to St Louis around 3/28. Debbie X7812.
 Economy foreign car, reas price & v gd cond, 5-6 yrs old. Call 235-6635 evgs.