

## RECOMMENDED

Starting this morning MIT will reach out its hand in the annual United Fund Drive. The Institute's own contribution, given in the work of a giant organizational staff, as well as in money, will go to a central pot to be redistributed to over 300 agencies which benefit from the drive.

More than 92% of MIT people working in Cambridge live in communities served by the UF. The agencies it supports give vital services involved in actually preserving and saving lives through such outfits as the Red Cross Blood Bank from which members of the Institute and their families can get blood when we need it.

This year again, for the convenience of donors and workers, UF is aiming for on-the-job contributions; community solicitation starting later (Nov. 8) will cover people who are disabled and inactive, or those working outside the Greater Boston area and in small businesses unorganized by the fund.

Donations here last year amounted to \$47, 107, given by some 59-68% of the MIT family. Goal this year: a higher percentage of contributors (made easier by the payroll deduction plan)--as generous as before.

## FORD FOR OUR FUTURE

Even before Dean Gordon S. Brown was moved into his new office (Rm. 3-246), things were humming in the School of Engineering -- to the tune of \$9, 275, 000 received by the Institute for advances in engineering education. MIT's grant was tops of ten awarded by the Ford Foundation (Cal Tech next with \$3, 200, 000), for new educational programs in science and technology.

The new funds, requested by the Institute after a recent faculty study, will be used to support a dramatic change in curriculum, and creation of new professorships, laboratories and fellowships. One purpose of the plan: a more thorough grounding in science for student engineers who must practice their profession in a time of sophisticated technology.

Dynamic Dr. Brown is no stranger to such revampings. As head of the Department of Electrical Engineering, he and his colleagues revised traditional curriculum and methods drastically. Now turning his attention to the whole field of MIT's engineering education, he is planning new core courses which will cut across traditional departmental lines. A likely area for such a course is Materials, which, he said, can include spectroscopy, metals, plastics, semi-conductors, solid-state devices and other subjects. Also on the list of suggested core areas are propulsion, energy processing, information processing and environment engineering.

To accomplish the task, MIT's division of the funds: \$3, 500, 000 for seven professorships in new fields of engineering; \$3, 000, 000 to evolve new syntheses of courses coupling basic sciences with new fields of engineering; \$1, 500, 000 for new instructional laboratories with new kinds of apparatus; \$1, 000, 000 for post-doctoral teaching internships and research fellowships;



\$150,000 for fellowships and loans for pre-doctoral teaching candidates; \$125,000 for faculty development, to extend the education of young professors and to bring distinguished engineers to MIT as visiting and exchange professors.

"It'll probably take us about five years," says Dr. Brown, and initially both systems will exist side-by-side. For students here now the process will be terrifically exciting, as they live through changes significant for the whole future of engineering and education.

"We must teach them to think fundamentally as they do engineering," says Dr. Brown, "and then when a need is created, they'll be able to fill it. We must teach them how to diagnose the need for superior technologies and how to meet it by the mature shaping of modern science into useful, purposeful engineering systems.

### NO PRINCE SINCE

Breezing into the main entrance two weeks back came another royal visitor -- this time from the banks of the Red Sea. His Imperial Highness Merid Asmatch Asfa Wossen, Crown Prince of Ethiopia and son of the reknowned Haile Selassie, was in the U.S. to scout for ideas on improving his country's industrial and educational facilities; started his search with 8 days in New York City.

The royal party spent a morning up the river at Harvard and then proceeded on to view science and technology. Escorted by Walter Milne (President's Office) and Prof. Thomas Mahoney (Registry of Guests), the prince signed in; next took a medium-sized tour of the Institute, dropping in on the IBM-704 and a rehearsal of the Concert Band -- among others.

A direct descendant of King Solomon and the Queen of Sheba, Asfa Wossen was off the next day to Washington and the wild West, after breakfast with Governor Furcolo.

Along to preserve the feminine view: Her Imperial Highness Princess Medseriash War Abebe with a lady-in-waiting.

### MANY HAPPY RETURNS

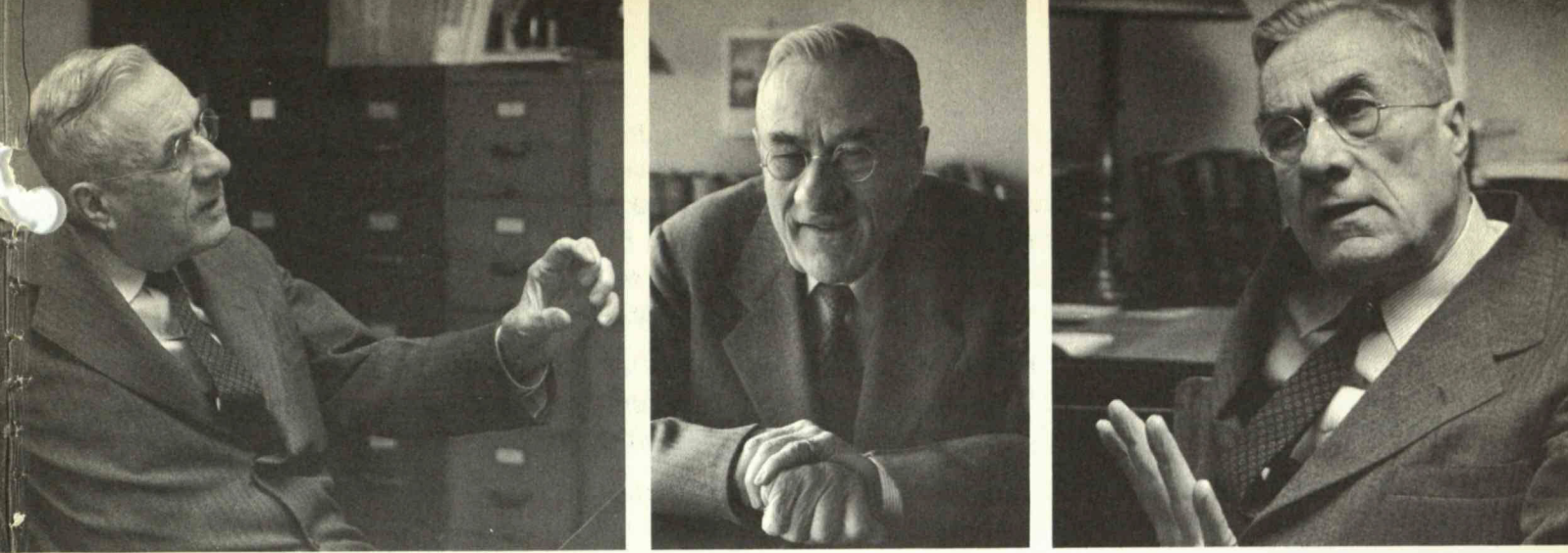
One of his more recent awards was a red herring -- carved on a plaque -- the Order of Harengus Rubrus from Boston's branch of the American Institute of Chemical Engineers. The Ichthyologists (named from the fishy fare of Friday dinner meetings) were, like hundreds of MIT students, advised and tutored in their start by Dr. Warren K. Lewis, emeritus professor of chemical engineering.

Some 60 years ago "Doc" Lewis came to Cambridge after a brief session at Newton High School. He was a native of Laurel, Del.; came from a large farm and attended the local high school. "The headmaster didn't know anything about algebra and neither did I," says "Doc" -- who was sent to Newton to repair the damage, before entering Boston Tech. He learned his algebra and recalls happily that he "beat those city slickers in arithmetic."

Internationally known as the father of chemical engineering, Dr. Lewis insists that he always intended to become a farmer. "The only reason I came here was that I decided I could apply engineering to farming -- even if I hadn't had any courses in agronomy." And in Delaware on his vacations he hauled many a load of tomatoes (the farm's main money crop) which sold at \$6 a ton, to pay his tuition. But it was the love of competition, he claims, which really



Medseriash, Merid and Milne



A Lewis lecture: " . . brilliant, lucid and entertaining"

convinced him to stick with engineering.

Dr. Lewis graduated in 1905 and was soon offered two teaching assistantships. One from the Department of Mechanical Engineering paid \$50 a month, and he was about to accept ("I couldn't afford not to") when Dr. William H. Walker asked him to be his assistant in the Division of Chemical Engineering.

Walker also suggested that he apply for the \$1000 Austin Traveling Fellowship. "I didn't want to study abroad," he chuckles, "but I thought I might as well try for it as the next fellow." He then proceeded to spend a good deal of time conscientiously studying physical chemistry, which was taught by the head of the awards committee, and thought it had really paid off when he won. "Some years later," he recalls, "I had occasion to look back in the faculty records, and there, in Dr. Noyes' fine Italian hand, I discovered: 'March, 1905. Austin Traveling Fellowship for study abroad, awarded to W. K. Lewis. Only applicant this year.'"

When he returned from the University of Breslau, Dr. Lewis left MIT once to work with a small company in New Hampshire. "That really was in a small town, too, I had gone to a lot of trouble to explain to my new wife the importance of being a chemical engineer. One day the census taker appeared when I was away; asked my wife about my profession and she said, 'He's a chemical engineer. The man replied in astonishment, 'Oh, is he? I thought I knew every member of the Fire Department in town.'"

Dr. Lewis came back soon after and has been at MIT ever since -- a pioneer in science, international leader in petroleum research, and an engineer whose imagination has led to great advances in the fields of distillation, rubber, cellulose and amorphous materials.

But by everyone who knows him, "Doc" Lewis is thought of as a teacher. His dynamic and aggressive techniques -- famous throughout the Institute -- have made many a Tech man quail, and his fondest proteges remember frightening harangues brought on by their mistakes. One recalls a quiz, returned to him with the grade -- 2, and "Doc's" sarcastic note, "This shows a very low level of intelligence." In 1950, when Life Magazine asked the Institute Committee to select MIT's most outstanding educator, the answer was "Doc Lewis" -- as one senior said -- "of course," and he was cited for his "brilliant, lucid, entertaining and inspiring lectures."

Dr. Lewis retired officially in 1948, but has come to MIT almost every day since and is hard at work tutoring, lecturing and counseling Course X'ers. In his spare time, he is planning a book on the social and economic implications of engineering.

Last week, though, he did take some time off, traveling with Mrs. Lewis to visit their four children and families. Occasion for the trip: the Lewises' wedding anniversary -- number fifty.

## HERE AND THERE

Charter Flight leader Herb Kavet -- just about down to earth from one trip to Europe -- announces his plans for the next: the first Christmas charter flight leaving for Paris on Dec. 18 and returning on Jan 3. Ideal for Switzerland-bound skiers, it will cost somewhere under \$300. Three flights are on the docket for summer: June 8-Sept. 8, July 16-Aug. 7, and a five-week trip (dates undecided) leaving at the beginning of July. This year's transportation will be by BOAC and TWA -- with maybe a jet or two. Call Herb at RE4-0391, if interested.

Dr. Norbert Wiener will be interviewed on WGBH-TV's "I've Been Reading," Nov. 2 at 9:30 p.m. Topic: his latest book and first novel "The Tempter," published on Oct. 29. (For the TVless it will be rebroadcast on WGBH-FM, Nov. 8 at 8 p.m.)

In the land of Al Capp's Dogpatch, there's a shrewd character by name of Bullmoose. Some Sundays back, this entrepreneur decided to store his 99 years' experience in "every low dirty trick of cheating, gouging and skullduggery"; bristled his moustaches and dashed off to make a machine like Univac. Scene of the endeavor: "Bullmoose Research Laboratories, formerly known as MIT."

### FOR SALE ETC.

Jaguar XK-120-140 pts, comp gasket set, hoses, points, 12 new spark plugs, pump points, brake linings, battery charger, etc. \$15 the lot. J. Harriss, Ext. 229 or 833 (Lincoln).

Violin with case, bow, usual accessories such as strings, rosin, etc. Genuine Stradivari- variable. If interested, call UN4-0748 (after 8 p.m.) and ask for Tony.

Gas range. Full size with oven, sep radiant heat broiler. Not new, fairly mod style, good cond. \$35. Also, Irish setter, 3-yr old female. Must sell, landlord is not dog lover. AKC registered, not trained for hunting, suitable for show, breeding, lovable pet, gentle with children. Asking \$150 will consider less from right party who can provide good country home. R. V. Locke, Ext. 5320 or CO3-5878.

Garrard 3 spd turntable, turnover cartridge, new diamond stylus, perf cond. \$17. Frank Frazier, Ext. 2501 (3-5 p.m.)

Pine hutch colonial reproduction, exc cond, \$100. Also 2 curved window benches with lt green foam rubber cushions, \$50. G. Rubissow, Ext. 2471 or CL9-8253.

Mahog drop leaf table, seats 10 open, Also, buffet and wardrobe trunk. IV4-6837 (evgs).

Keystone K-100 8mm movie proj, as new. Cost \$99.95. Also Leader Radiant projection screen, 40" x 40". What offer? Hyatt, IV4-4653.

Tape recorders, 2nd-hand, best offer takes: 1 Reom deluxe, Model T500, 1 Pentron 9T3. May be seen in Dr. Harris's office, Infirmary.

1/2-size violin in exc cond, \$50. Also, to give away, 3-yr old female Irish setter. Pedigreed, spayed, exc cond, good home only cond. Mrs. Albert England, CL9-8197.

Side car for motor scooter. Ext. 2443 or IV9-0062.

J. C. Higgins umbrella tent, ground dimensions 7'x 7', ctr height 5 3/4'. Mildew retardant, drill floor, nylon screen rear window. List, \$21, used \$8. Rudolph, Ext. 2128.

30", 20 gal aquarium reflector with 2 fluorescent 20" lights, stainless steel, \$6. Rollins, Ext. 2522.

Mattress for lg single bed. \$10. D. Frieden, Ext. 4406.

Neat, efficient typing of theses, reports, manuscripts and papers by an experienced secretary. Ruth Gilbert, AL4-0686.

'54 model Whirlpool auto washer, used 4 1/2 yrs. Perf cond when last used. \$65. J. E. De Lisle, MI3-0758.

Port 2-sp tape recorder, takes 5" reels, Telectro brand with microphone. Just over yr old. \$40. Fred, Ext. 295 (Lincoln).

Child's rocking horse, exc cond, Cost \$25, sell for \$10. Also doll's high chair, \$2. MI3-490A

Bell Tone Deck stereo recorder and playback, 1 preamp, 12 tapes, mike, mahog case, new cond. Cost \$240, will sacrifice. Boodman, Ext. 3602.

GE 9-cup percolator, prac new, \$16. Also used GE auto grill and waffle baker, good cond, \$10; unused Sears 50 wt aquarium heater thermostat \$3, thermometer for aquarium, 50¢. EL4-6521.

Stamp collection. Books, stamps, everything needed to start a very fine hobby. W. H. Gruber, Ext. 161.

Rolls Royce station wagon, Wraith chassis, Jas Young body. Showroom cond, reasonable. LI2-0896 or PA7-0909.

'39 Pontiac sedan, runs fine, \$50. R. Johnston, Ext. 7214 (Lincoln).

'49 Hudson "Step-Down" 8, 4 dr, 49,000 mi, one family since new, paint poor. Seen main lot annex, \$75 or best offer. Ext. 2207.

'51 Chevrolet 4-dr, good cond, \$135. H. Aiken, Ext. 7141 (Lincoln).

'51 Plymouth 4-dr. 4, 200 mi, R&H, \$150. RE8-2031W (evgs).

'52 Plymouth 4-dr Cambridge. Rebuilt engine, new tires, battery, gen cond good, R&H. Must sell, \$150. A. Knowles, Ext. 500.

'53 Chrysler convert. \$225. Ext. 5472 (Lincoln).

'53 Ford custom-line. 6 cyl, 76,000 mi, \$250. Andrew Chen, Ext. 2942 or EL4-6069.

'54 MG roadster. Cream with blk top, wire wheels, 32,000 mi, asking \$1,325. Ext. 124 (Lincoln) or CR4-6037.

'56 Ford 4-dr, standard shift, blk, \$800. J. D. London, WA4-1650.

'56 VW Microbus, \$1,100 or best offer. Dick Maehl, Ext. 2106 or ST2-4423.

'57 VW convert. New engine only 5,000 mi, good cond, \$1,200. Ext. 2098 (8:30 - 4:30 p.m.) or CR4-6100. H. Rosenthal.

'58 Hillman Minx, exc cond, lt blue, wws, extra snow tires. \$1,350. CE5-7110.

'56 Vespa motor scooter, new motor, fully equipped, \$250. DE2-1659 (after 5 p.m.)

'58 Vespa '50, 3,800 mi, exc cond. DU9-1460 (5-7 p.m.)

Unfurn 3-rm apt on 2nd floor, Boylston St opposite Fenway, very clean. Being transferred, must vacate. \$95/mo. Barbara, Ext. 536, or KE6-1857 (evgs).

Unfurn 3-rm apt to sublet, 280 Beacon St. LR, K, BR, lg pantry. No students. Avail Nov 1. \$85/mo, George Sechen, Ext. 2398.

Furn lg single rm in home of MIT grad student near Central Sq. Towels and linens prov, maid service, 2 closets. \$12.50/wk. CLA-2757.

Lg 1st flr furn rm with private 1/2 B attached, Bedford Ctr. Hot plate for lt cooking, off-street pking, avail Nov 1, \$65/mo. F. Henderson, Ext. 295 (Lincoln) or CR4-8978 (evgs).

Arlington Hts, clean 6-rm Cape 1 blk from new school bus line, churches. Fully landscaped, garage, fully insulated. Owner leaving state. Around \$16,000. Hunt, Ext. 284 or MI8-0644.

7-rm mod home with swimming pool, Arlington. 3 BRs, lg family rm overlooking pool, 2-car garage, quiet residential area. Conv to schools, MTA. Immed occupancy, low 20's. IV9-0238

Wanted: girl to share apt with 2 others in newly dec, hi-fi furn, conv located apt, 31 Maple Ave. \$40/mo. TR6-7057.

Roommate wanted to share 8-rm Brookline apt with 4 other men. 50 yds MTA, free st pking, \$44/mo, all utils. Bob Langridge, Ext. 710 or LO6-3921.

EE grad student desires roommate to share 2-man apt in Allston for remainder of semester and/or spring semester. Prescott, Ext. 2591 or ST2-2949 (evgs).

2 roommates wanted to share brand new house on Revere Beach. House comp furn, refrig, freezer, TV, washer, drier, 4 BRs, linens furn, car pool or MTA. \$50/mo plus utils. Charles Quintavell, RE8-1666J (evgs).

Roommate wanted to share apt with 1 other man, 378 Broadway. BR, LR, K, B. \$52.50/mo, incl utils. Odi, TW4-3200 (days) or TR6-2338 (evgs).

Wanted: 4th girl, over 25, to share lovely 8 rm apt near corner Beacon St, Pk Drive. Comp newly redecc and furn. \$62.50/mo, incl heat. Ext. 3124.

Roommate wanted to share with 3 men 6 rm duplex, 3 BRs, basement, near Harv Sq, domestic help for cleaning, cooking. About \$120/mo. Ralph, TR6-0107.

Roommate wanted fem to share lg apt in Cambridge with 1 other. Own BR and LR, unfurn. \$45/mo, plus utils. TR6-6520.

Wanted: 4-5 rm apt in duplex, guest house or carriage house in suburbs. Betty, Ext. 2613 or AL4-5829.

Visiting economist wants to rent 4 BR furn house. Mid-Nov -- April. Ext. 3367.

Wanted: 2 snow tires, any 15". Knill, Ext. 2420.

House wanted to buy within 10 mile radius of MIT. Lg LR. Fox, Ext. 2939 or BE2-8999 (evgs).

Wanted: beige or brown rug, 9 x 12 and runner (same color) ca. 10' long. Mrs. Hartman, LO6-7400, Ext. 37 or VO2-2597 (evgs).

Wanted: piano, good cond, minimum cost. Wife of young theological instructor needs it for pt time teaching. CE7-9737.

Wanted: 20 or 22" girl's bike. Ext. 2443 or IV9-0062.

Wanted: women interested in joining the MIT women's squash team. Inst for beginners, good competition for exp players. Maureen Byrne, Ext. 711 or RI2-0620.

Wanted: 2nd hand food freezer in good cond, 9-12 cu ft. Arnold Singer, Ext. 4993 or LO6-9786.

Typing wanted, all kinds, reasonable rates. EM9-2829.

Wanted: piano, any type, in good cond. Capt. J. Mays, Ext. 4477 or TW4-7161.

Wanted: small upright piano. Up to \$75. TR6-2523.