

THE YEAR IN REVIEW

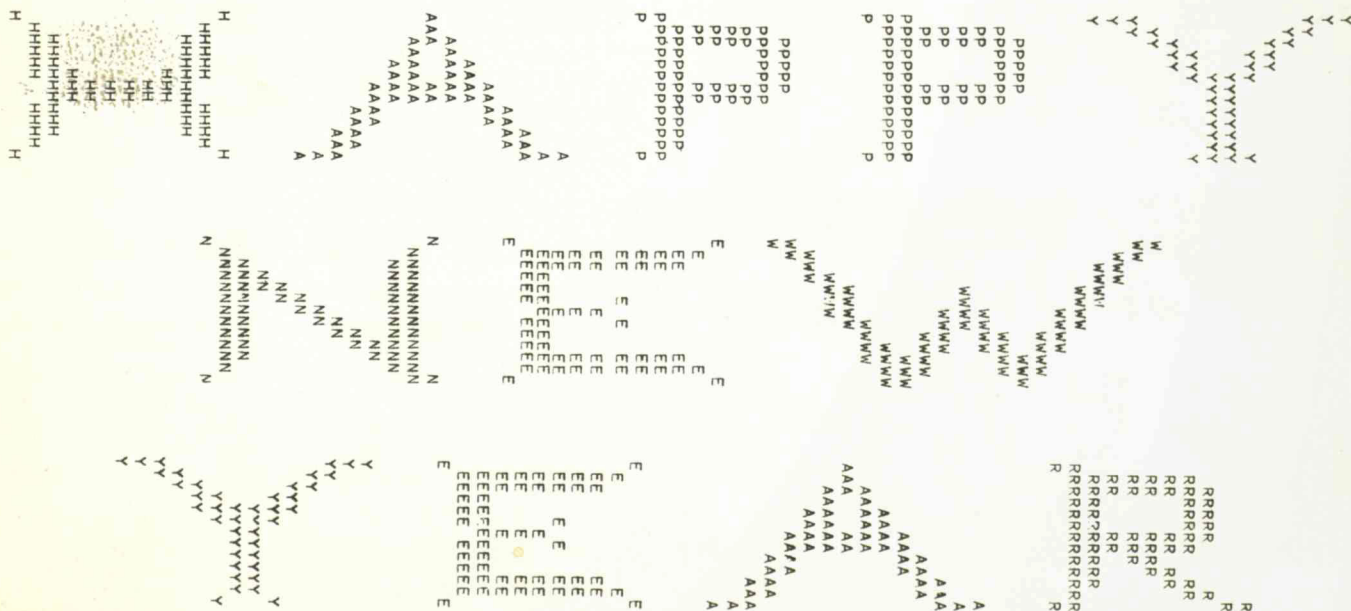
As '59 left, MIT prepared to move toward her 100th year which begins in April. Even the Computation Center wished it well with a message from the IBM 407, resulting from some clever student key punching on a tabulator (see below). A backward look revealed that the passing year had been far from quiet.

As of January 1, 1959, Dr. Julius Stratton took over his duties as President of the Institute and was inaugurated in the midst of a great spring deluge. Dr. Killian was welcomed back from Washington as Chairman of the Corporation. The nuclear reactor celebrated its first birthday in the summer, reached maximum power output at the tender age of seven months. Total Institute population was boosted to 2,000 teaching staff; 1,250 staff, 3,608 employees and 6,270 students.

Ground space stayed about the same, but with numerous refurbishings and switchings about campus. Newest building to show its face was the du Pont Athletic Center, dedicated in May after almost a year of construction, and by way of an Electrical Engineering compliment to its namesake, the Vannevar Bush Room in Bldg. 10 was opened for departmental doings. Among general revampings, according to plant superintendent Don Whiston, was a trend to making small packages of big: Bldg. 52 saw several large rooms turned into smaller ones; classrooms in Bldg. 2 became offices; and keeping right in style was East Parking Lot where paintpot alchemy saved 28 spaces, replacing several large cars with many small ones.

Moves during the year were several: Lab Supplies issuing counter traveled down to the basement and its office up to the fourth floor, the Matrons Furniture Exchange switched to 244 Albany Street, and from a long, long stay in Bldg. 1 basement, rifle racks were transported to the Armory to make way for an IBM computer. Some hard-to-find trees, left behind when Westgate bit the dust, were transplanted on campus, and rhododendrons were imported all the way from Swarthmore, Pa.

On the face of things came changes, too. The north side of Bldg. 3 got itself a face lifting

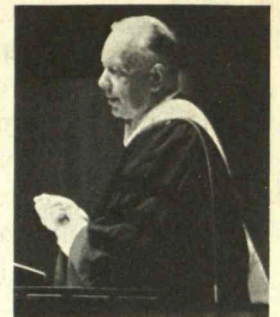


and atop Walker appeared a sixty foot pole for the 20 meter beam of Station W1-MX. Roche Library was repainted, so too Bldg. 16, turning gray after a blush of several weeks.

To keep MIT running, Physical Plant stocked in a few staples. Consumed during 1959: 2, 340 cartons of paper towels; 35, 038 bars of soap; 524 gallons of liquid soap; 1, 630, 853 gallons of oil; 272, 432, 700 cu. ft. of gas; 26, 383, 200 kilowatts of electricity and -- 406, 44, 700 pounds of steam.



du Pont



Stratton

WE HAVE RAZED. . .

This year saw the last of Westgate, some of its buildings transported under auspices of the Outing and Ski Clubs to more northern climes. Whirlwind I computer was sentenced to oblivion by the Institute, but reprieved at the last minute by a Boston engineering concern who will use it in their research, anon. Gone beyond recall was the top of the power plant -- lopped off several weeks ago by a giant crane. The Institute no longer uses coal and there was no need of the lofty bunker. Result: a mighty blow which felled 25 feet of the landmark.

. . . AND REGALED

Some of the visitors were here to study, Summer Session totted up an enrollment of 1, 641 registrants for 23 courses. Others came to soak up MIT atmosphere and take a peek at labs and classes. We played host to a series of distinguished foreign guests, among them the prince of Ethiopia, head of a monastery in Rangoon, chief economist of Rhodesia and Nyasaland, personal librarian to the Shah of Iran, and an assortment of British sailors, Japanese financial experts, members of the German Ministry of Foreign Affairs, University of Leningrad professors, Chilean, Russian and Italian architects.



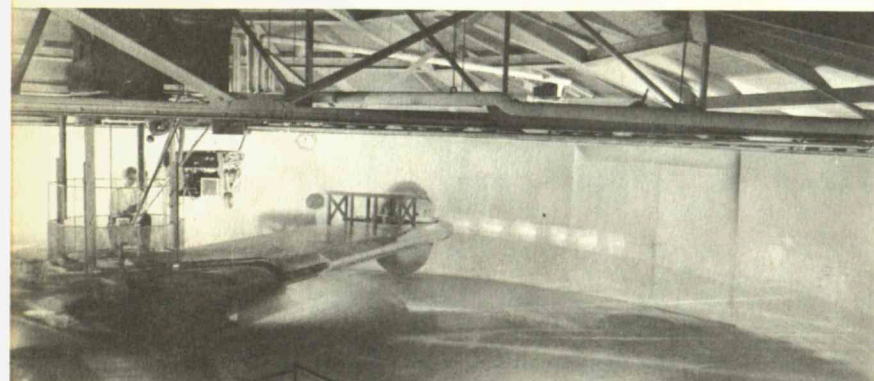
Director, Japan Plastics, Ltd.

Kresge Auditorium swelled with its usual quota of luminaries from various fields. Enlivening its stage: Ella Fitzgerald, Norman Cousins, Capt. Jacques Cousteau, Abba Eban, Errol Garner, Tom Lehrer, Arthur Fiedler and Clement Attlee. The Chapel listed ten organ recitals, three christenings and 41 weddings.

And over where Westgate used to be, a few other characters dropped in to take a look. Passing ducks, winging over Cambridge, found that puddles on the playing fields had stormier seas beat a mile.

. . . AND RECEIVED

Millions of dollars came to MIT for research on crystal structure, the way living creatures develop arms, legs and wings, the history of machine tools, foreign affairs studies, and plasma dynamics. For the establishment of a Center for Earth Sciences came \$2, 527, 500, for new graduate fellowships in oceanography and meteorology, \$150, 000 and for advances in engineering education, \$9, 275, 000. The



Centrifuge tests guidance system at Hanscom

Alumni Association received over \$575,000 from its members.

Observing what MIT has done with its assets, the American press mentioned, among other things, these developments: an inertial guidance system for the Titan missile, the APT system of automatically programmed tools, Dr. John Sheehan's work on penicillin and the synthesis of peptides, the inauguration of President Stratton, research on food for space travelers, "torture chambers" to test guidance systems, the expandable, movable plastic "school of the future"; PSSC's "find-out-for-yourself" high school physics curriculum, Lincoln Lab's radar station at Boston Hill, the bouncing of radar signals from Millstone Hill to Venus and back; duplicating, in test tubes, the natural process of making bone and teeth, the significant name change of the Department of Aeronautics to include Astronautics and a study of Rte. 128 traffic.

WE HAVE ESTABLISHED . . .

The rest of the Institute sweltered while the first summer day camp made its appearance in several spots, from Briggs Field to the swimming pool.

Not all such developments were internal. Announcement was made of a laboratory to study the physiology of hearing, a joint project of MIT and the Massachusetts Eye and Ear Infirmary. The library became New England depository for translations of Russian scientific and technical journals. With Harvard we prepared a swap of students plan, allowing undergraduates (comes from 4-4.5) of one school to study at the other with no charge. And for MIT employees a tuition assistance plan was prepared; geared to roll in 1960.



Summer session

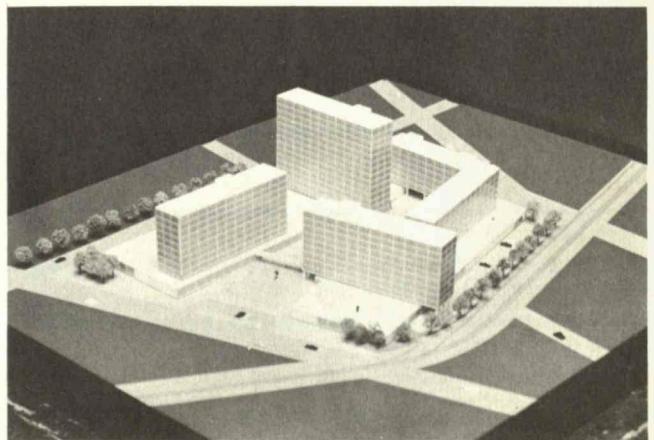
. . . EXPENDED

Getting in touch with the outside world we totaled a staggering 1,411,121 message units of phone calls and upped the number of inside lines to 2,600. Endicott House in Dedham served 13,000 meals to hungry guests who, numbering 4,000, arrived in droves. To the Cambridge Red Cross we donated 564 pints of blood (MIT used 375) and we raised our United Fund total to \$50,983. Approximately 300 tons of paper passed through our hands; over 100 publications were issued from the Publications Office and 275,000 were mailed out all over the world. Admissions received 123,141 pieces of mail. The General Purchasing Office reported an amaz-

. . . PLANNED

Having made contact with Venus, MIT prepared to keep pace with its lofty trend. Planned for next year: a half-million dollar dining room for Burton House, 3-story parking structure to rise east of Bldg. 20, an earth sciences building, set for the summer of '60, east of the Dorrance Building.

Following close on the heels of this will be a \$15,000,000 industrial research center halfway between Central and Kendall Squares on Main St. A joint project of city authorities, MIT and Cabot, Cabot & Forbes Co., the site will probably employ up to 3,000 people, cover fourteen acres, consist of several buildings (one 12-15 stories high), plazas, courtyards, restaurants and parking facilities.



Research center model

ing array of items, including a standing order for ten albino, male rats, delivered twice a week, 140,000 lbs. of .22 caliber ammunition, Big Red Dog Meal (100 lb. bags), one drum of granulated agar-agar, chickens, a '59 Chevy and Mercury, $\frac{1}{2}$ inch diameter rubber balls (1,000 at a whack) and -- in anticipation of leap year -- a two-timer.

. . . AND EXPERIMENTED

While one alumnus perfected a fishy frankfurter, other scientific projects were on the fire at MIT. The Patent Office handled 124 cases, filed 21 of them with the U.S. Patent Office and issued 9 patents. Samples of the lot: an improved photoconductor chopper, compressor blade shape, harmonic generator for millimeter wave region, flip flops, slip rings, gyros, time measurement of the time dilation in an earth satellite, fatigue detector for vehicle operators and a pendulum coffee cup carrier for speedy trips to the coffee machine.

HERE AND THERE

With the start of the new year, MIT set its Tuition Assistance Plan rolling. This is available to regular full-time employees on the 15th of the month and weekly (hourly) payrolls; is designed to help those who want to increase their know-how through formal study. The Institute will pay part of the cost of approved courses related to jobs and taken outside regular working hours. Expenses covered: tuition, registration fees, lab or graduation fees; MIT will pay the first \$20 of costs in any year, plus 50% of such costs over \$20. Total reimbursement can't exceed \$200 in any year.

This fall, to evaluate interest in the plan, questionnaires were distributed at MIT and Lincoln and of the 1,700 returns tabulated over 400 people reported current study at one school or another.

The Credit Union invites members to its annual meeting, dinner and dance to be held at the Faculty Club on January 16. Tickets (\$3 a person) can be obtained at the CU office, Room 14-0631.

FOR SALE ETC.

Kenmore gas range, 6 yrs old, 5 burners, griddle. Also one 9', one 12' adjustable traverse rod, and sofa bed with full-size interspring mattress. Euvrard, Ext. 3584 or R19-0136.

Kiddy-Coop crib, \$30, exc cond. Also Teeter-Baby, \$4 and baby tender, \$10. M13-7081.

17" Magnavox portable TV, '58 model with movable, viewing stand. Also 2 bikes (man's and lady's). Any reasonable offer accepted. Charles Ward, Ext. 2550 or BE2-2644 (evgs).

1 pair boy's ice skates with blade guards, size 6, exc cond, \$4. Ext. 2584 or LA7-3929 (evgs).

Man's figure skates, Canadian make. Orig \$26, size 10. Seldom used because too narrow. Make an offer. Zapf, Ext. 3584.

Bendix automatic washer in exc running cond. \$35. Silver, Ext. 708 or ST2-1931 (evgs).

Cashmere cardigan, green, once worn, size 38, \$10. Also orlon, white with floral applique, never worn, size 36, \$8. Reason for sale: Xmas gifts to size 34 woman. Betty Burrows, Ext. 558.

'49 Frigidaire 8 cu. ft. refrig. Well kept, exc operating cond, asking \$70. Ray Neff, Ext. 7132 (Lincoln).

Various assortment of furn; eg sofa, chairs, rug, port. closet, drapes, bureau, reasonably priced. KE6-5152 (evgs, weekends).

Ltweight double tank aqualung with 116 cu. ft. cap. Venturi single stage regulator, backplate, harness, weightbelt with quick release features. Also new 3/16" neoprene full length wet suit, mask, fins, pressure gauge, etc. Reas offer. Nelson, Ext. 4489.

Kastle ski (one). Last year's slalom model, 210 cm, will sell the ski or buy another. G. C. Maling, Ext. 3220.

'56 Plymouth 2-dr Savoy 8 cyl. R&H, auto trans, blue-gray, 2 new tires, \$850. Green, Ext. 5497 (Lincoln).

'57 VW avail immed. Perf mech cond, R&H, \$1,075. Posner, OL5-0750 (days) or CI7-3850 (evgs).

'58 Hillman Minx de luxe sedan. Blue and gray, R&H, clock, seat belts, exc cond, best offer over \$1,200. Prof. Lambec, Ext. 2270.

Furn or unfurn apt, Back Bay, Boston. LR, BR, K'ette, B, lg reception hall. \$85. Ext. 3533 or KE6-5152 (evgs).

Lexington house, 3-yr old ranch. Beautifully landscaped, 3 BRs, LR, DR, finished full basement, fp, dead-end street, comb alum-storm windows, many extras, low 20's. Owner transferred. BO2-2643.

150-yr old Cape. 6 rms, LR, DR, mod K, den, 2 BRs, pantry, lg porch, full B plus $\frac{1}{2}$ B with laundry area, $\frac{1}{2}$ acre with fruit trees, Lexington. \$17,000. Bill Krag, Ext. 5326 (Lincoln).

Wanted: baby's high chair. BE2-5566.

Wanted: house or apt for visiting prof, wife and child, spring term. Prefer through Aug 1960, but not essential. Prof. Bennis, Ext. 154.

Wanted: Rexair vacuum cleaner. Stewart, Ext. 823 (Lincoln) or M18-2119.

Wanted: roommate to share with 3 other girls 6 $\frac{1}{2}$ rm apt. 4 BRs, LR with fp, reas rent. Susan, KI6-7780 or AL4-5824 (evgs).

Wanted: 3-D projector. Miss Kupis, Ext. 3631.

Wanted: male roommate, prefer grad student, for spacious 3-rm apt off Commonwealth Ave, Allston. 2.5 miles from MIT, next to car line, ample parking avail, car pool to MIT if desired. \$50/mo incl utils. Avail Jan 1. J. Schuler, Ext. 626 or ST2-9352 (evgs).

Wanted: pair of man's figure skates, size 10 $\frac{1}{2}$. KE6-1153 (evgs).

2 male grad students want third roommate, own BR, TV, lg K, good company, avail Jan 15, \$52.50/mo. 66 Dana St., Cambridge, KI7-3273.

Custom made green seat covers for '52 Dodge Coronet 4-dr. Euvrard, Ext. 3584.