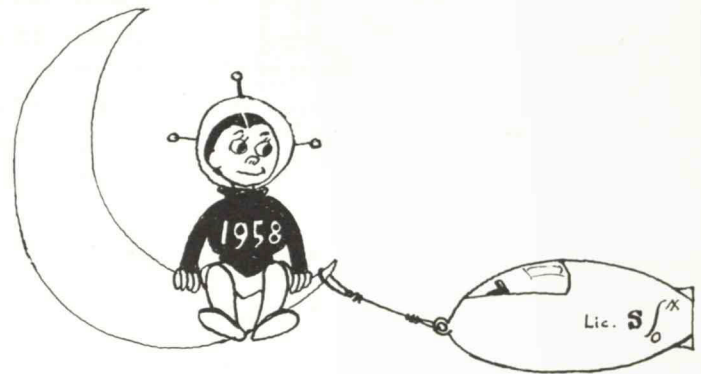


STATE OF THE UNION

Back in October we tagged a moon-trotting M.I.T. midget as "Alumna, Class of 1999." On reading that a citizen of Amesbury recently took out full insurance against falling sputniks, we'd like to amend the prophesy. But not without mention of another man in Indiana who has spent the year catching up on Egyptian mail--all of it written more than 2000 years ago. The papyrus, dug up from the desert sands, has been almost perfectly preserved. The pictorial script is clear. And, lest we get heady about Buck Rogers potential, the sentiments are often applicable to the most modern conveyances. Scribbles a penitent young Egyptian to his father:"The



chariots were smashed up as I wrote you before....."

THE YEAR IN REVIEW

Developments in 1957 have not all been aerial. M.I.T. has kept pace with the expanding universe by boosting its total population to an all-time high of 13,633 -- 704 faculty, 2900 staff, 3850 employees, and 6179 students.

Although little acreage was added to the campus during the year (it now stands at 110 in Cambridge), the M.I.T. plant expanded considerably. New buildings completed: the Karl Taylor

Compton Laboratories, the midget Chemical Wastes Building behind it, and Lincoln Lab's new radar station at Millstone Hill. New space gained in old quarters: Whittemore 4, one-time home of Whittemore Shoe Polishes; Whittemore 5, originally converted from a laundry to the Sanborn Co., makers of medical instruments; a residence at 317 Memorial Drive to be used as headquarters for M.I.T.'s 17 religious counselors; and the Cambridge Armory, already in use as a gymnasium. Also added were 12 new tennis courts, one parking lot near Building 52, and sundry new shrubbery, the most



M.I.T. angels: the Brass Choir at Convocation



Lester Gimpelson (C)

Tourists explore moat

memorable of which made a miraculous overnight appearance outside the Compton Labs just in time for dedication ceremonies.

In keeping new and old facilities going, Physical Plant totted up some staggering supply figures. Consumed in 1957: 12, 656, 250 paper towels (five freight-car loads), 513 gallons of liquid soap, 31, 853 bars of regular soap. Used in the academic year 1956-1957: 22, 457, 200 kilowatt hours (electricity), 269, 173, 610 cubic feet of gas, 1, 228, 579 gallons of oil (M.I.T. requires more gas than is locally available during the winter months and oil is used as a filler), 376, 574, 300 pounds of steam, and, for the main buildings only, 200, 000, 000 gallons of water--enough to fill the M.I.T. pool 625 times.

WE HAVE REGALED....

More and more, M.I.T. is playing host to delegations and visitors from all parts of the world. This year has brought National Assembly representatives from Korea, architects from Japan, newspapermen from India, textile experts from England, metallurgists from the U.S.S.R., a giant snapping turtle from Wellesley, and some hopeful eel spearers from center city (above).

The American press has also been entertained on numerous occasions. This for pioneering milestones like the Buck cryotron, Sheehan synthesis of penicillin, and Draper jam-proof navigation system of inertial guidance. Also for such events as Dr. Killian's big assignment in Washington, publication of "Soviet Education for Science and Technology" by Korol (C.I.S.), sputnik tracking by the IBM 704, a recent conference on biomedical research potential for nuclear reactors, loan by the Air Force of its controversial Academy chapel model to M.I.T. for exhibition, and an exhibit of ancient Italian musical instruments.

During the year the Chapel listed 28 weddings, 5 christenings and 11 organ recitals. Varied (and continual) talent like Jerry Mulligan and the Boston Symphony Orchestra filled and refilled the Auditorium. There were also three bulging birthday parties: the School of Industrial Management celebrating its fifth, the M.I.T. summer geological school in Nova Scotia its tenth, and the magnetic institution of M.I.T. Open House its twentieth.

RECEIVED....

The Mail Service handles a lot of packages in the course of a year. Usually they don't know what's in them--unless, as happened a few months ago, some enthusiastic epicurean blesses the U.S. mails with a fast-ripening hunk of Liederkranz. Purchasing Office, which sent out 1256 orders in a typical month last year, was on the receiving end of 4 Chevrolet suburban station wagons and an ambulance for M.I.T.'s new Security Force. This in addition to customary miscellani like "1 W185 Radioisotope" (price, \$4; handling charge \$10), frogs



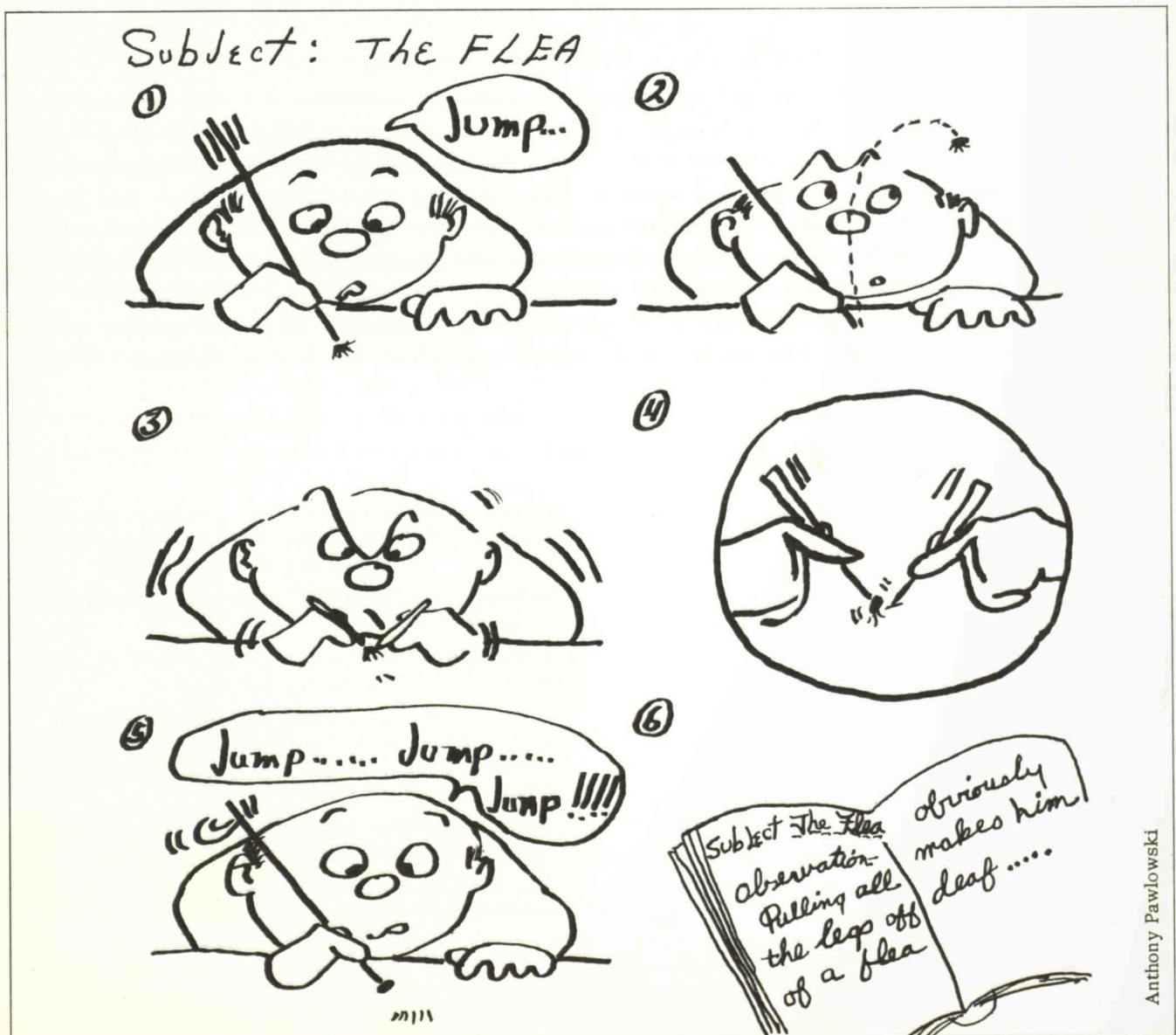
Dr. Stratton gets a present

(528 in 1957), electron microscopes, gum art erasers, and -- in mid-December -- 100 pounds of haddock fillets destined for the Food Technology Department.

During the year, campus personnel received a total of 11,835 polio shots and 3,107 flu shots from a busy Medical Department. The Cambridge Red Cross received 607 pints of blood from M.I.T. donors, United Fund a new total of \$41,741.94. M.I.T. received a telephone bill for almost 1½ million outgoing message units, the Admissions Office an incoming mail load of 117,689 pieces. Ninety-three staunch supporters in the Quarter Century and Silver Clubs added to their home decor special M.I.T. chairs. More than a million dollars in grants flowed in from national foundations to begin or expand M.I.T. projects like basic research on infantile paralysis and the Physical Science Study Committee's rapidly materializing design for improving science teaching in the schools. An alumnus of the class of 1907 presented M.I.T. with its first grand mace (home-made), and Dr. Julius Stratton most recently received a candle-decked yule log from M.I.T. Scout Troop #77, presently under the aegis of Capt. Alan D. Wheeler (Air Science) and two M.I.T. students.

AND RESEARCHED

Not all 1957 research efforts have entered the public domain. Best example: a contribution to Prof. Stanley Backer (Textile Tech) from a sympathetic investigator at E.I. Du Pont de Nemours and Co. in New Jersey.



HERE AND THERE

The Credit Union invites all members to the annual meeting and banquet on Saturday, January 25, in Walker Memorial. Tickets -- including a buffet dinner and dancing -- are \$3.00 per person, may be obtained by calling Ext. 2844.

Jim Marapoti (Lincoln) and his 125 volunteers at the USAF Ground Observer Post in Georgetown, Mass., last month received the Channel Master Award "for outstanding service in the United States defense system." The group was chosen for the honor from all GOC stations in the Eastern Air Defense Force Area -- a sizable chunk of terrain including, roughly, the area east of the Mississippi. Doing important experimental work with the small Chipmunk radar developed at Lincoln, the Georgetown Post has been operating 24 hours a day for the last 18 months, has logged a total of 32,580 hours of duty time and sent in 91,000 airplane reports since it was first set up in 1952.

Genial biller Paul Doherty leaves M.I.T. this week after two years in the Research Fiscal Office. Comment his RFO colleagues: "He will be sadly missed by all of us."

The Ice Pickers, an intramural outfit in the Chemistry Department which draws its members from faculty, secretaries, shop personnel, and graduate students, threw an unusual Christmas party on December 17. To a capacity house in Kresge's Little Theater, a talented cast of more than 60 presented a full program of take-offs on Department personalities and peregrinations for the year 1957.

Lamar Washington (I.L.O.) offers a teasing start to 1958 with a New Year's twist to an old theme. Father Time trundles down from the upper regions to officiate at a host of festivities on the eve of the 1st. With the hour approaching midnight, he finds himself at a fork in the road (one leading to the house he is looking for and one to the city dump) with one final party still to attend. The urgency of the occasion is obvious, but it is long since he has been in this locale and Father Time can't remember which road to take. Fortunately, there is a young man standing at the junction. Father Time knows that there are two kinds of earth people -- those who always tell the truth and those who always tell lies, and that this trait is handed down from father to son. Hearing the first stroke of midnight booming in the distance, he thinks quickly and asks the young man one question. The answer is sufficient to tell him which road to take. What is the question?

FOR SALE, ETC.

Revere 40 Magazine Type Movie Camera with case. Used only 4 times. Originally \$100. Asking \$65. IV4-8757.

IBM Electric Typewriter. Executive Model (Proportional Spaced Type). Excellent condition, continuously serviced by IBM since purchase. Best offer above \$150. Prakash, Ext. 2497.

Excelcoir motorcycle with Villiers motor. Good condition, tires brand new. \$35.00. IV4-9476 (evgs).

'51 4-door Nash sedan in excellent condition. 4 practically new tires, very good R & H, plus directional lights. \$250. Gertrude Hubbard, Ext. 2611.

'55 Plymouth 4-door sedan. Automatic transmission. Good condition. \$1250. Bill Johnston, Ext. 3459 or TR6-6665.

Apt. for rent. Arlington Heights. 5 rooms (unfurn.), including 2 BR's. Newly redecorated. Oil heat. 1st floor. \$90/mo. MI3-6658.

Unfurn. apartment available Feb. 1. 4 large rooms. Big backyard. Near Harvard Sq. Ideal for young married couple. Mrs. R. B. LeLacheur, UN4-9689 after 4p.m.

Wanted: apt. in Cambridge. 4-5 rooms, unfurnished. 1st or 2nd floor. Ext. 2116.

Rider wanted: from Lexington Center. Arrive M.I.T. 8 a.m., leave 5 p.m. F Haynes, Ext. 3312.

Wanted: to rent during Spring Term. Furnished house or apartment suitable for four (Visiting Prof. from England and family). Within 15-mile radius of Boston. Rent not to exceed \$150/mo. Ext. 2207.

Wanted: Male Kitten with double paws. Yellow preferred. Ginnie Toppan, Ext. 4276.

Wanted: Five shelf metal cabinet in good condition. Technology Community Association, Ext. 885.