

## HUT SUT SPUT

When 13 Russian steel experts came to the United States last month as exchange guests (American metallurgists visited USSR last May) of the American Iron and Steel Institute, the one school they chose to visit was MIT. The delegation spent the better part of September 21 examining metallurgy labs, nuclear reactor, and other points of interest around campus. They brought their own translators, but received extra help from two bilingual metallurgists in the department -- Prof. Nicholas Grant and technician George Pishenin. Said Pishenin, who took them on campus tour, the group was quite impressed with the Music Library; said Grant, with MIT's size, its "good-looking labs and equipment," the work being done in metals, and the graduate student set-up in metallurgy.

As a token of appreciation, the Russians left with Prof. John Chipman a souvenir which has also been on sale at the Brussels World's Fair. *Objet d'art* is a Sputnik more musical than its life-sized brethren. Carved on its base are the words "4X, 1957, CCCP," which is abbreviated Russian for October 4, 1957, USSR. Between harmonic beeps, Sputnik plinks out a non-vocal version of "How Wide and Bright My Dear Country."



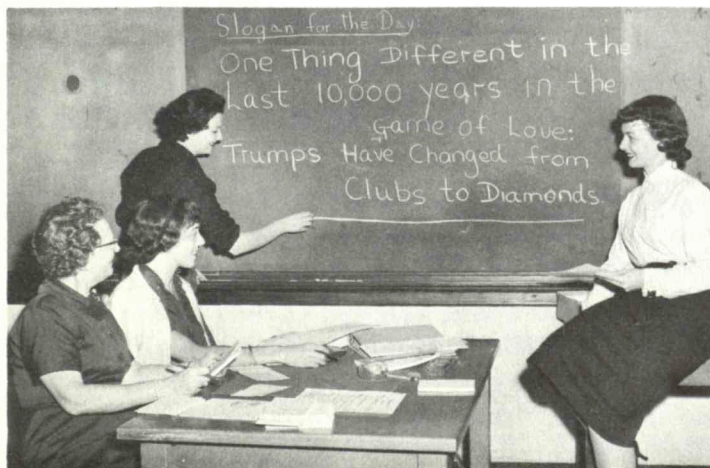
Marion Hoxie (Met. Hdqt.) and music box

## PHILOSOPHER'S CORNER

After an hour's session with cybernetics or cryogenics, most blackboards around MIT emerge with their own particular brand of hieroglyphics. Not so a newly discovered slate in the Registrar's Office. "Tomorrow," ran the first boldly chalked message (directly after moving day),

"we MUST get organized." This was followed, before long, by a house cleaning dilemma: "The more light there is, the more mystery it reveals."

Creators of these daily maxims are four occupants of new Registrar's Office quarters on the second floor of Building 5. Girls report that one recent verse caused some confusion among a group of South American students. The verse: "Adam and Eve had many advantages, the principal one being they avoided teething" (Mark Twain). The boys translated the first part all right, got hung up on the word "teething" which they figured must be local lingo for brushing the teeth.



Lf to rt: Elsa Naber, Anne Colby, Muriel Ferrer-Baynes ( at blackboard), Jane Squier

## THE YEAR IN REVIEW

It was a year ago last Saturday that 185 pounds of man-made moon began a new chapter of history. With Sputnik I beeping benignly from above, governments and peoples throughout the world turned to intensive soul-searching. Scarcely a month after the first satellite appeared, President Killian took up new residence in Washington. This Monday Acting President Stratton gave to the MIT Corporation his first annual report of a full and soul-searching year.

"If there is one thing which events of the past year have made clear," Dr. Stratton said, "it is the imperative need to augment the corps of highly educated men and women in the United States. This need is apparent in every field of professional endeavor. Nowhere is it more critical than in science and engineering. . . . There rests upon institutions such as ours a heavy responsibility to provide highest standards of excellence, to set new patterns, to give leadership, and to lift the sights of all."

The most acute problem in education right now, said Dr. Stratton, is "the widening gap between the mean level of academic achievement in the average American secondary school on the one hand and the intellectual maturity of our top graduate professional schools on the other." The task of preparing "even the most talented" students for graduate school or for the "pressures of modern industry" is, Dr. Stratton said, very great. Believing that basic responsibility for closing this gap lies in the high schools themselves, Dr. Stratton called upon the colleges to "join forces in a national effort to lift the levels of achievement in elementary science and mathematics."

As far as MIT specifically is concerned, Dr. Stratton singled out as the most important and the knottiest problem facing MIT the kind of engineering education it should offer. In view of the extreme complexity of modern technology and the need for more and more different kinds of knowledge to solve any single problem, should engineering education concentrate more on a general preparation in the basic sciences (physics, math, chemistry) or on traditional engineering subjects which prepare the student for the practical and not-to-be-forgotten demands of an industrial career?

"How far should we go," queried Dr. Stratton, "in discarding all the drafting and design, the shop, and the more practical, immediately useful professional subjects? . . . What effect will an increasing emphasis upon mathematical ability have upon the character and quality of the students admitted to our freshman class? Have we unwittingly engaged (already) in a selective process that may work to the ultimate disadvantage of the engineering profession itself?" The answers to these questions will be of deepest concern to MIT and to the nation, Dr. Stratton felt. They are certain to be in the MIT spotlight for some time to come.

Whatever action is taken on the home front, Dr. Stratton emphasized that MIT "has served and will continue to serve the nation effectively in many ways." Pointing out the many large contributions of faculty and staff to "the public interest," the key role of laboratories such as Instrumentation and Lincoln in national defense, and contributions of the Schools of Science and Engineering to "our understanding of the basic laws and processes of the physical world,"



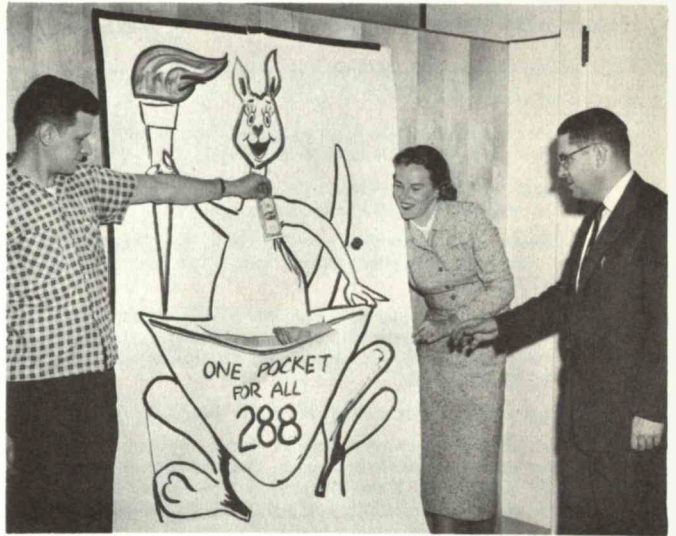
Dr. Stratton, November 1957

Dr. Stratton reiterated the basic philosophy of a college " in the mid-stream of modern life," as he put it: "The salient quality of our philosophy of education, of the methods and substance of our teaching, and of our attitude toward public responsibility is a sense of direct relevance to the world and to the times in which we live."

## KANGO TANGO

Beginning on October 14, United Fund will begin to fill the MIT end of its metropolitan-sized marsupial pouch. The big push this year is for on-the-job contributions, UF, having removed for the first time all community quotas in favor of a big central pot into which all donations go and from which they are then redistributed to the 288 agencies benefitting from the program. Suburban UF drives will be confined to the end of the campaign, and are thought of as sort of a mop-up operation covering people who work outside the Greater Boston area, the disabled and inactive, and those engaged in businesses too small to be UF-organized.

United Fund is the one charity campaign conducted by MIT each year. Total raised last year was \$41,882 -- or an over-all average of \$9.85 per person of those contributing. The gift is generous, the work of all those who move the vast organizational machinery behind scenes also generous. An illustration of the latter: the wheels began churning at MIT last August, have slowly ground to the fine dimension of one well-briefed solicitor for every ten people among MIT's non-student potential of 7,861 donaters.



Pitching bucks (into the pocket): Lf to rt, MIT Chapter Committee member Bill Sherman (Phys. Plant), Solicitor Winnie McDonough (Treas. Off.), and Chief Solicitor John Tucker (Elec. Eng.)

## HERE AND THERE

A mechanical engineer, his wife, and <sup>one</sup>two small children are new tenants in the MIT solar house in Lexington. The Engebretsons will do a great deal more than eat and sleep there. Clair (husband) is on two-year research "loan" from the Whirlpool Corporation of St. Joseph, Michigan, makers of refrigeration and air-conditioning equipment. Mr. Engebretson will be making a first-hand field study of air-conditioning systems that make use of solar energy. For MIT the benefits are many. As an engineer, he can check the functioning of solar machinery with an expert eye. As a family man, he can get his wife's and progeny's slant on the adequacy of the house as a commercially produced dwelling of the future.

Patent No. 2,853,049, issued at the end of September, went to an MIT alumnus in industrial biology, Class of 1924, for his invention of an "oyster nest." Nest, consisting of a chicken wire bag with poison cup underneath, protects tender Blue Point youngsters from the lethal oyster drill or snail, results in "five times the usual yield of seed or young oysters" according to Joseph B. Glancy, its inventor.

Starring in the cast of a play ("Drink To Me Only") at the Wilbur Theatre recently was Tom Poston, forgetful "man on the street" of the Steve Allen Show, who followed an early career in boxing and tumbling with a stint at MIT (University Extension). According to the playbill: "Tom decided that his mind as well as his muscles needed development, and he enrolled at several colleges, finally winning a certificate as a dairy chemist at Massachusetts Institute of Technology."

Prof. C. Stark Draper (Instrumentation) will receive on October 16 the Blandy Gold Medal of the U.S. Navy for "distinguished services related to all phases of naval ordnance progress."

The Electrical Engineering Department threw an energetic and unusual student-staff acquaintance party last Saturday. Where? The top of Mount Monadnock. "In case or a real rain," advance instructions encouraged EE stalwarts to "Enjoy the ride, eat in your car or at the pavilion, and look for the blue lining that is always present in every cloud."

#### FOR SALE ETC.

You will be smitten by this kitten. Lg., pedigreed, Persian tabby, 4 mos old, \$35. G. Rubissow, Ext. 2471 or EL8-7435 (evgs).

Hand-knit, heavy, white tennis-sweater. Never worn. Man's size 40-42. Best offer. Terry Grant, EL4-5986 (after 7 p.m.).

Kenmore automatic washing machine, excellent cond., \$75. Magic Chef kitchen range, automatic oven pilot and grill, used only 6 mos., \$125. Dr. McKinney, Ext. 125.

Mahogany buffet, copy of antique, \$55. 4 percale sheets, 1g double size (90 x 108), brand new, value over \$21, \$4 each or 4 for \$15. Electric waxer, \$11. Meat or food chopper, almost new, \$2. Single bedspread, almost new, \$2.50. CO7-8136.

Boys' ice skates, size 8, never used. Ruth Clarke, Ext. 2752.

Garrard 3-spd. hi-fi record changer, all size records, speeds, complete GE turn-around cartridge, spare cart. heads, installed in steel base, spring mounted, fully wired. K'ette-D'ette set with removable center expansion section, 4 chairs. Practically new girl's bicycle 26" wheels, balloon tires and tubes, excellent coaster brakes. Imported, Dutch, ceramic, hand-operated coffee bean grinder. Two Magee 9" x 12" Rose del Rio rugs with rubber foam paddings, excellent cond., one or both. Mrs. Zwierdling, IV4-8131.

Westinghouse Wash'n'Dry laundromat WD-2. One continuous operation, flexible cycles, water level selectors, weigh-to-save look-in door. White, 40½" x 32" x 28 1/4", 14 mos old, list price \$529.95, sale price, \$225. Ken Campbell, 2607.

Electric floor waxer, \$11. CO7-8136.

Small Westinghouse refrigerator. For information, call CI7-8962.

GE Mobilmaid dishwasher, \$75. Lewyt vacuum cleaner plus attachments, \$25. Both 2 years old, good operating cond. J.S. Lewis, Ext. 2991 or VO 2-5778.

Speed graphic: 2 1/4 x 3 1/4, f/4.5 Ektar, 1/400 supermatic, 6 film holders, film pack adapter, Graphlex flash gun w/2 reflectors, solenoid, sun-shade, several filters, gadget bag, new box film. Asking \$105. Hi-fi amplifier: Scott 99-D, new, with cabinet, \$100. R. L. Brandes, 316 Newbury St., CO6-3441 (evgs).

Contax III 35 mm camera with Connar f:2, speeds to 1:1250 sec., new case, 3 filters, lightmeter cell needs replacement, excellent cond., \$95. Philco 3/4 hp room air conditioner, easy installation, used 6 mos, perfect cond, \$140. BI4-9382 (evgs).

18" reel type self-propelled power mower. 4 cycle Briggs and Stratton gasoline engine, 1-yr old, perfect cond. S. Sheff, VO2-8596 (evgs).

Philco radio, portable, battery electric combination, good tone. RCA Victor radio, table model, good cond., not new. Helen Morgan, Ext. 3501 or HI4-9565.

Royal portable typewriter with technical keyboard. Bought upon entering MIT 4 years ago, used only to type estimated 25,000 words, \$45. Dick Proconier, ST2-6486.

Janszen electrostatic tweeter. Mahogany, 6 mos old, like new. Net, \$185, sell for \$120 or best offer. T. Harrison, CR9-4418M (evgs).

Pair of maroon studio couch covers, six foam rubber pillows, excellent cond., \$25. Electric "Quick Broil", practically new, \$25. Maple chest of drawers, \$35, separate mirror, \$7. CO7-0568 (evgs).

Registered, pedigreed Collie pups, wormed & inoculated. Margaret Durgin, Ext. 5548 (Lincoln).

Fox 12 gauge double-barrel shotgun. Hard-to-get model, modified choke, fired 6 times, good as new, excellent duck gun. New, \$100, asking \$50. BL8-0346.

'49 Chevrolet. Good dependable transportation, 4 good tires, spare, new Delco battery, R&H, \$95 or best offer. Joe Stevens, Ext. 3551 or EM9-5152.

'52 Studebaker V-8 4-dr sedan. New regulator, battery, tires, clutch, \$175. Almost new car luggage rack, 43" x 31", canvas cover, 86 x 67", \$17, will sell for \$11. S. Tangri, Ext. 3133.

'52 Hudson 4-dr sedan. 8 cyl., auto. trans., R&H, excellent cond., \$450 or best offer. Ext. 401 (Lincoln).

'52 Plymouth 4-dr sedan. R&H, good cond., will haggle. A. Wasserman, BI4-9322.

'53 Ford custom V-8 2-dr. Green, R&H, 45,000 miles, clean, good cond. Dick Schwind, Ext. 2487.

'53 Chevy 2-dr sedan, model 150. Htr, signal lights, only 39,000 miles. Leaving country Oct. 18. \$550 or best offer. M.J. Scott, Ext. 2825.

'56 Olds '98 Starfire convertible. Platinum gray w/black top and ww's. Power equipment -- steering, brakes, windows, seat and antenna. Heater, signal-seeking radio w/floor selector, padded dash, windshield washers. Black and white genuine leather upholstery, 36,000 miles. \$1950 cash. Jerry Coughlin, Ext. 3579.

'56 Volkswagen sedan, \$1175. William Harper, Room 7-438.

'56 Buick Special. Standard transmission, 2 tone, 2-dr, R&H, backup lights, window washers, full chrome disks, perfect cond, orig. owner, mileage 22,275. Best offer. TR6-7614, or IV4-5478 (evgs).

'58 Ford Angelia 2-dr. Red and white, heater, 45 miles per gal., list price, \$1795, will sell for \$1495. Bill, SO6-9071 or SO6-1610.

'58 Zephyr convertible. Gray and red, sacrifice, 35 miles per gal, \$2595. Bill, SO6-9071 or SO6-1610.

'49 Chevrolet 4-dr sedan deluxe. R&H, good tires, recent valve job, good cond., \$150 -- will dicker. Eleanor Cutting, Ext. 208 (Lincoln) or IV4-3636 (evgs).

2 single rooms for rent off Davis Sq. in Somerville. In private home, on street parking, \$8/wk. MO6-4929 (after 6 p.m.).

Room and priv. bath avail. in private home in Arlington. Linens furnished, \$15 per week. MI8-5252.

5-rm apt in Arlington. First floor, mod. K, garage, automatic oil heat, unheated, \$115, Avail. Oct. 1. KI7-4188 (9-5), or MI3-9192 (after 7 p.m.).

Attractive unfurn. 2-rm apt. Fp'd LR with bookshelves, BR, elec. K, tiled bath, newly remodelled bldg, 173 Bay State Rd, \$115/mo. Les Guildner, Ext. 501.

6-rm ranch house in Lexington. 3 BRs, LR, DR, K, full basement, 2½ miles from Lincoln Lab., 16,500 sq. ft. completely landscaped lot. Excellent location and cond., 2 yrs old. S. Sheff, Ext. 493 (Lincoln) or VO2-8742 (evgs).

Furn. house for rent in Belmont. Oct. 15- Feb. 1. IV4-0471.

Single house for sale. 7 rms, 2 B's, 2 K's, porches, parking space. Commonwealth Ave., Brighton. Mrs. Kallmes, BE2-5067 (after 7 p.m.).

Victorian house in Lexington. Excellent cond., oil burner, insulated, 5 BRs, bookcases, 1½ baths, new washer and dryer incl., mod. K, laundry, living-dining room, study with fp. No decorating needed. House has great charm, on tree-lined street near schools. Partial insul. weatherstrip doors, one acre land heavily tree'd. Remarkable value, \$23,500. Mrs. Dabrowski, EM9-3578.

Driving to Chicago, holiday week-end of Oct. 11, returning Monday. Need rider to share expenses. Bart Roessler, Ext. 2132 or LO6-3921.

Wanted: girl to share 4-rm apt with 2 Radcliffe grad. students. Own BR, share K, B, Lr. \$40/mo. TR6-7502.

Wanted: wood-working circular saw, 10" tilting arbor, 3/4 horse minimum. M. Stevens, Ext. 2497.

Needed urgently: home for a 3-mo-old gray, tiger, female kitten. Very gentle, house-broken, intelligent, does not scratch or bite. Renata Egone, Ext. 3703.

Wanted: upright piano. Marie Phillips, Ext. 468 (Lincoln).

Wanted: girl's geared bicycles, washer & drier. IV4-0471.

Wanted: fourth man to share apt with 3 grad students. Separate rooms. Commonwealth Ave, \$42/mo. Kirit Parikh, Ext. 4111 or CO7-4269 (evgs).

Wanted: camping equipment and advice for a family of five with a station wagon. H.B. Brainerd, Ext. 2467.