



From Abell to Zuckerman

## TRAMP, TRAMP, TRAMP . . .

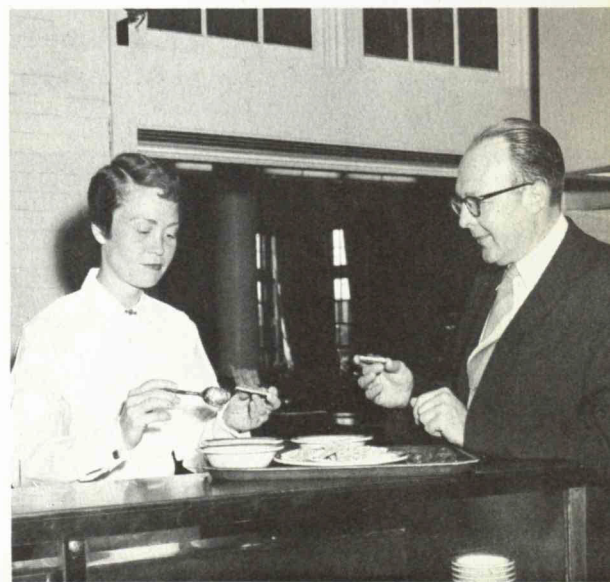
This morning the Institute jumped to attention at the sound of the marching feet of 900 freshmen and 5,300 upperclass and graduate students. The class of '62 is from almost every state in the union and 26 foreign countries (including Iraq and Lebanon). In the graduate ranks: a University of Peiping engineer and three fellowship holders from the Technical Institute of Warsaw.

Aware of this event, the Institute has been preparing for many a day with faceliftings and campus-wide changes. To list a few: Enlarged, the Medical Department, Soil Mechanics Lab and Nuclear Engineering headquarters. Renovated, 8 classrooms. Moved, Prof. Edgerton's Strobe Lab from Bldg. 20 to 4, ROTC rifle racks from one basement (30 years in Bldg. 1) to another (the Armory). Missing, the Acoustics Lab, now a senior physics lab. The decor of the Emma Rogers Room (Bldg. 3) has been streamlined with contemporary furniture, new color scheme, a Japanese wall panel and modern kitchen. After dedication, MIT Matrons and Administration will share the room for teas and technology.

With 1,159 pieces of new furniture in Walcott, Bemis and Goodale Houses, the Purchasing Department hopes that no rooms have been assigned to budding sculptors. Burton House starts the year with two suites and six new rooms for its first resident master, Professor Howard Bartlett (Humanities), and tutors. In the domain of Lab Supplies, the last pieces of platinum wire have been cut to a precise  $2\frac{1}{2}$  inches so that each freshman could be greeted with his paper bag lab kit of 19 handpicked items of equipment.

Nor has the inner man been wholly neglected in this hectic preparation. The Dining Service has been on its toes, running the gamut from jam-tasting (best brand?) to supply-ordering. In the larder (Quincy Market Cold Storage Building) labelled MIT are amazing poundages of peas (16,000), lima beans (3,500), blueberries (1,000), and by way of innovation, boysenberries (300).

What news from Admissions? They're helping with mail deliveries -- a card from a student summing on the Riviera addressed to: "Mr. W. Yansen (Dutchman), M.T.I. (College), New Jersey, Massachusets, U.S.A."



Jam session: Miss English, Mr. Wheeler

## V.I.P.

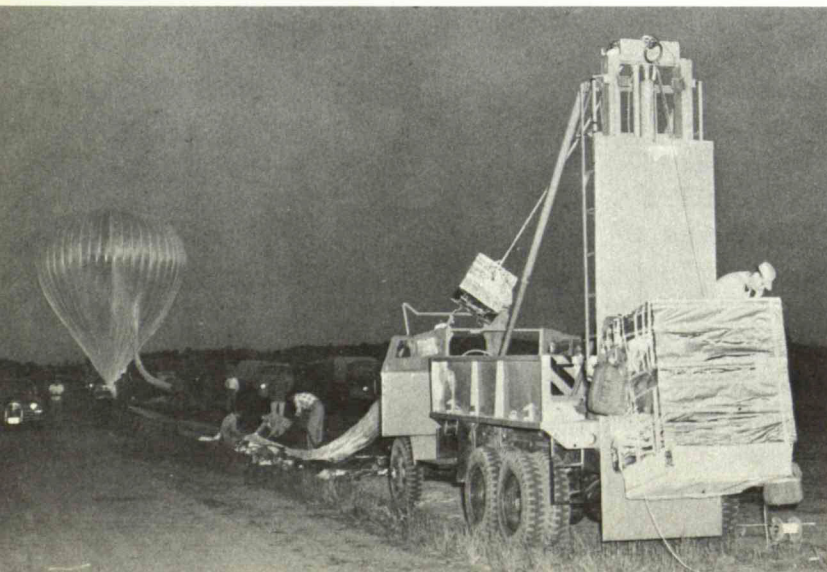
This week MIT will play host to more than 60 NATO representatives from 15 allied nations, in Boston for a regional NATO conference, to live in private homes and be entertained at area colleges. On Wednesday, guided by French speaking students, the dignitaries are scheduled to tour the Institute's Reactor, IBM-704 and electronic labs. Friday seminars will be held in Kresge Auditorium with discussions of "Unity Within the Community" and "Global Strategy" -- both followed by audience question periods. Observing the panels will be 1000 guests, including 100 greater Boston school children, handpicked for excellence in international studies and NATO essay contests. Notables expected: Lester B. Pearson, former Canadian minister of external affairs; Admiral Jerauld Wright, Supreme Allied Commander, Atlantic Fleet; former Army Secretary Frank Pace, Jr.; Dr. Max Millikan of the MIT Center for International Studies and Harvard's Dr. Edward Katzenbach.

## VOTE NOTE

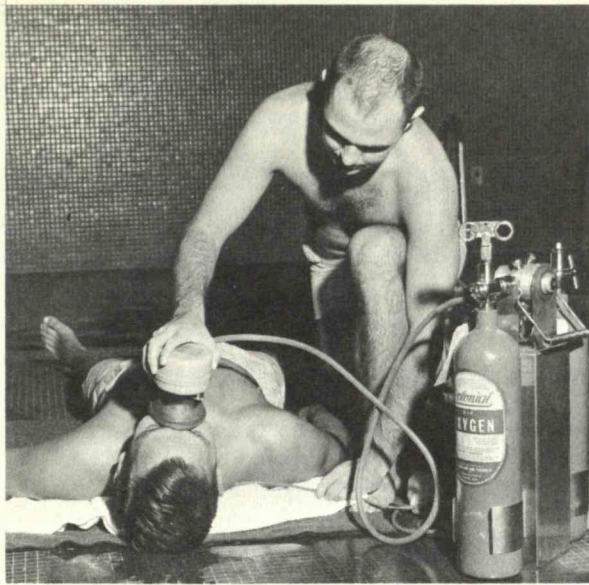
From the ballot box, on September 10, came an eagerly-awaited decision which Lab. Service employees have been thinking about for several weeks. The question: to retain the MIT Employees Union as collective bargaining agent or join forces with the International Union of Electrical, Radio and Machine Workers. The answer was a positive nod to the MIT Union. Supervised by the Massachusetts Labor Relations Commission, the election showed a high degree of interest (90% participation by voters) with 781 votes for the Employees Union, 334 for IUE and 22 for no union representation. With this decision out of the way, bargaining sessions between the Institute and the Union are proceeding. Contract negotiations with the Building Service Employees International Union, AFL-CIO, are also continuing. Contracts have been signed with the Cooks and Pastry Cooks Association and with the Independent Union of Plant Protection Employees, representing security guards at Lincoln Lab.

## ACROSS THE RIVER AND INTO THE FIELD

On September 7, from a Minneapolis launching site, 1,538 pounds of MIT-designed equipment and instruments disappeared into the night sky. Equipment (offspring of the Cosmic Ray Lab) consisted of a gamma ray telescope, surrounded by 500 pounds of lead shielding, borne aloft by a powerful Sky Hook balloon. This, largest balloon successfully flown in ballooning history, was a General Mills product. Made of polyethylene film .0015-inch thick, it weighed 1,207 pounds and occupied 3,880,000 cubic feet. Rising to the occasion above two flashing beacons, warning local pilots, the balloon drifted eastward. Its mission: to record the energy and direction of cosmic gamma rays shooting in from outer space, as a result, perhaps of explosions in stars or whole galaxies. While ascending, the balloon met winds of jet velocity and atmospheric battles. Result: an erratic flight over points of Minnesota, Iowa (Mississippi R., included) and a furious 550-mile drive by the MIT-General Mills "chase" crew. After a sweeping salute to Rochester, Minn. (circling  $1\frac{1}{2}$  times), the timing mechanism sent MIT's equipment parachuting to earth 110 miles from its starting point. Experts behind this venture: William Kraushaar and George Clark of the Lab for Nuclear Science.



Balloon gases up to lift MIT pay load



Nelson and Foley resuscitate

## MERMEN

"We've got some of the best swimmers in the business," says William Oldham, supervising head of Alumni Pool. This, no comment on dunking visitors, but evaluation of the four young life guards who man the deck. A well-trained team, John Foley, Stuart Nelson, John O'Rourke and Alfred Texeira are Red Cross life-saving graduates with several years experience. Working two at a time for two-hour stretches, they must keep an eye on every splash. "We have to see something that might be an accident and stop it before it happens," says John. This summer the four taught at Cambridge's Magazine Beach, as part of a "Learn to Swim" campaign. Even with such constant training, they dive in once a week to practice their paces and rescues in grand style.

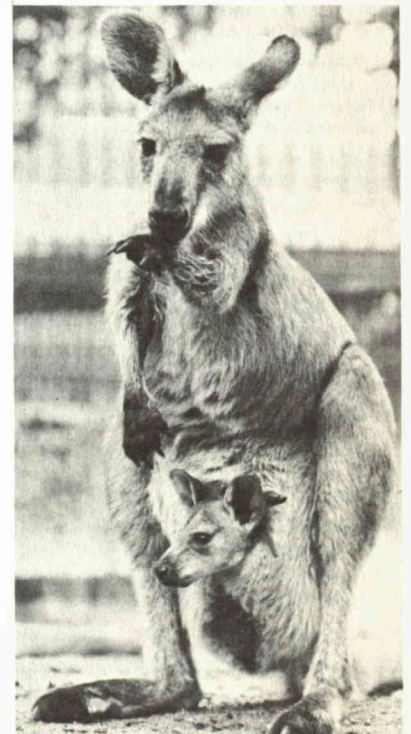
One of the area's best, the pool (built in 1940) is visited year-round by some 400 people a day. Commended for cleanliness, its clear water is tested twice weekly for bacteria (the answer's always negative) and daily for chlorine and PH readings. Few realize that the pool is solar heated -- cleverly planned so the temperature is a bath water 80°, and some less intrepid souls complain when it sinks to 75°.

Closest call of this season took place some weeks ago when one teenager, discovering his diving mask was poor substitute for gills, blacked out during an explorative swim. The resulting dictum: "NO use of mechanical paraphernalia such as swimming masks, fins, snorkles or skin diving gear." Exceptions to this must be authorized by the director of athletics. Arrival this month of an ambulance model resuscitator will make the pool even more accident proof.

Now in progress are the busiest days of the year as 900 hopeful freshmen (150 per half hour) attempt the required 100 yards. According to the guards, they'll do anything to pass the test. A case in point: the young man who poised fearlessly on the edge to say, "Please watch me, I'm a dubious swimmer," and plunged feet first to the bottom. Eight seconds later he was followed by a guard.

## WITH GOOD CAUSE

The United Fund of Greater Boston will open its appeal for funds this year on October 12. A total of 228 services will benefit from donations, including such worthwhile agencies as the Red Cross, Mental Health Association, Salvation Army, Medical Foundation and 279 Red Feather services in the greater Boson area. For the second year, MIT contributors will be able to make their gifts through payroll deduction, the donations to be placed in a central "pocket," redistributed in most needed areas. Dean Robert J. Holden, chairman of UF's MIT chapter, emphasizes that this is a simple way to give more for your money.



"All for one pocket"

## HERE AND THERE

RSVP: The Mail Room, 24-117, hopefully invites all new members of the teaching staff to drop in and leave their home addresses -- insuring quick mail delivery during the Fall deluge.

MIT's Rugby-Football Club welcomes new members, staff, faculty and students. The season begins with party on Sept. 26, first meeting, Sept. 30. On the docket: weekly practice, Saturday games, a trip to Bermuda and many parties. Call Prof. Brown, 2233, B. Sullivan, 2488.

From MIT's new Mitre Corporation (formed to provide USAF with scientific and engineering services) comes word of two appointments: Robert R. Everett, Technical Director, and John F. Jacobs, Associate Technical Director. Both are at the helm of Lincoln Lab's Digital Computer Division.

### FOR SALE ETC.

Cars simonized (all materials supplied). Students will simonize your car any week-end at reasonable price. Includes washing, cleaning, compounding (if necessary) and waxing. Lorraine Mangano, Ext. 483 (Lincoln).

Three playful, mostly black, 1-mo. old kittens. Avail. separately or together. Will deliver. KI7-6922.

8 Golf Crafts matched irons. Orig., \$125, sell for \$75. Used once. Bud, UN 4-0132.

Golf clubs: '57 Wilson K-28 pro model woods (No's 1-3), Kroyden Strato-cruiser irons (2-9), Butchard Nichols pitching & sand wedge. Orig. price, \$220, will take \$90. Jake Skenian, Ext. 5393 (Lincoln).

IBM elec. typewriter, technical keyboard. Best immed. offer, Ext. 2183.

Black Slumberland couch. 9 mos old, excellent cond., \$35. Mrs. Churchill, UN8-7600, Ext. 612 or TR6-6739.

Zenith hearing aid, 1-yr old. \$125 new, will sell for \$50. H. Walker, Bldg. 30, Ext. 751.

Child's play yard, good cond., \$8. Baby scale, \$3. EL4-3149.

Beautiful mahog. BR set, chest, dresser, desk. Also rugs, lg dinner set, Westinghouse refrig., 2 full-length mirrors, dishes, books. Mrs. Penta, 127 Elm Street, Somerville.

Walnut bedroom dresser. Mahog. chiffonier, 5 drawers. Antique victorian double bed. AL4-2924.

Used kitchen equip.: 9 cu. ft. Oldspot refrig., \$40; apt-size stove, \$25; util. table, \$10. UN4-2989.

7½ cu. ft. Montgomery Ward refrig., \$75. Apt-size Sears gas stove, 1½-yr old, \$45. Dick Brown, Ext. 3561 or IV4-9151.

Dual-Therm gas heater, 1-yr old, 66,000 btv's, \$75. R. Pounder, Ext. 748.

Kitchen-dinette table set. 36" x 60" black oak Victor table with formica top, black & brass legs; 6 black & brass pink Dynasty chairs (gold, pink patterned, heavy plastic upholstery); extra table leaf. Orig. cost for complete set, \$175, now \$75. Dana, Ext. 7425 (Lincoln) or VO2-1943.

1/4 or 1/5 share in 4-pass. Cessna 170 airplane with full instruments and omni-gator. Prefer licensed pilot or student with at least 25 hours. B. Eshleman, Ext. 7377 (Lincoln).

Typing: papers, theses, reports, manuscripts, etc. 35¢ per page, plus 2¢ per carbon. Special arrangements made for equations, formulas, graphs and tables. Miss Purdy, Ext. 3118.

'50 Chevrolet "210" sedan. Excellent transportation. \$200. Jim Themmen, Ext. 3496 or HI4-0975.

'50 Chevrolet 2-dr sedan deluxe. R&H, must be disposed of by teenager going back to school. \$75 or best offer. Ext. 4401 or CO7-2818 (evgs).

'51 Plymouth 2-dr sedan. Good cond., \$125. Arne Oien, Ext. 3360.

'51 Riley 2½ litre, 4-dr saloon. Very good cond., recent motor job, 4 new tires, leather & body perfect. Mrs. Daley, Ext. 200 (Lincoln) or UN4-1512 (evgs).

'53 N Porsche convertible. New paint, blue top, Telefunken radio, \$1795. W. A. Andrews, Ext. 893 (Lincoln) or EMerson 9-9513.

'53 DeSoto 4-dr sedan. R&H, good cond., \$250. Owned by visiting professor from England. Ext. 2821.

'53 Ford 2-dr. R&H, good cond., original owner. VO2-0841 (evgs).

'54-'56 Austin Healy body parts. Bruce Loughlan, Ext. 3496.

'55 Olds 4-dr sedan. 2-tone blue, good cond., \$1,500 or best offer. Ext. 3119.

'56 Corvette. Excellent cond., never raced, one owner. Black, automatic nylon top, 6-ply General ww's, new U.S. Royal spare, 225 hp engine, 2 four Barrel Carbs, 3 spd transmission, heavy duty shocks front & rear, 5-leaf rear springs, 17:1 Sterring ratio, 2.9 turns of the wheel lock to lock, radio-- dual spkr's, heater, back-up lights, formed trunk tool kit. 16-30 mpg. \$3,000 or best offer. Can be seen any week-day between 12-

1 p.m. Sgt. R. Philippe, Ext. 406 or 7329, or Mrs. Philippe, Ext. 663 (Lincoln).

'56 Ford 4-dr Mainliner. R&H, 6-cyl., 43,000 miles, clean interior, good cond. \$1000. Rod Mooney, Ext. 2125.

'56 Jaguar 140 MC. 36,000 miles, clean -- in & out, \$2,600. Bob Sullivan, Ext. 2486.

'56 Buick 4-dr Century hardtop Riviera. Dynaflo, power steering, R&H. Stan Miller, Ext. 2769 or DE2-3646 (evgs).

'57 Ford Fairlane 500, 2-dr hardtop, black, red & white interior, ww's, padded dash, sun visors, side-view mirror, Fordomatic drive. 15,000 miles, excellent cond. \$2000. Jim McEwen, Ext. 3425 or MI8-4888.

'57 MGA roadster. Never in competition, excellent cond. Blue, radio, chrome luggage rack, grill guards, tonneau cover and rear view fender mirrors. \$2,100. Ext. 293 or TRemont 4-2673.

'58 German Triumph 20 cc motorcycle. Brand new, black & chrome, deluxe model equipped with 12 volt starter, deluxe windshield with super-visor, 100 mpg, 70 mph, buddy seat. Cost, \$530, must sell immediately for \$389. Tony, WO2-4467M.

5-rm furn. apt for rent in separate wing of house. Country surroundings, garage and parking space. Avail. immediately, \$135/mo not including heat. VO2-3844.

Professional office space, 1-3 rooms, Mr. Auburn St., vicinity Hvd. Sq. Warner Gumpertz, EL4-2294.

2-family house for sale in Brookline. Excellent cond., near bus line, schools, shopping. Reasonably priced. Mrs. Waxler, BE2-9148.

House for sale, excellent location in Framingham. 3 BRs, 1R, K, full basement, wooded lot. Near bus, Shoppers' World, schools. Ready for occupancy in mid-December. \$13,250. R. J. Callahan, Ext. 831 (Lincoln) or TRinity 2-4291.

Ski lodge for rent, 3-miles from Sunnapee ski area. Well equipped, all modern utilities & automatic oil heat. 2 floors and dormitory-furn. basement. For more details, BI4-5128.

House for sale, Weston. Cape with a modern flair. 3 BRs, den, 1½ baths, full basement attached garage, modern K with dishwasher. Attractively landscaped, sun deck, flagstone patio. Convenient to transportation. Asking \$24,500. Paul Green, Ext. 5341 (Lincoln).

Wanted: crib and rocking chair. Donald Lyons, Ext. 319 (Lincoln) or VO2-7325 (evgs).

Wanted: small skiff, fiberglass or aluminum, 15-25 hp outboard in good cond. F. S. Dubois, Ext. 4497.

Wanted: girl to share apt with 4 others. Apt -- modern, furn., 3 BRs, \$50/mo, 226 Commonwealth Ave. Peggy Robison, Ext. 3370.

Wanted: 5-6 rm unfurn. apt in greater Boston area. J. Kingston, Ext. 3529.

Need 3rd man for 3-BR duplex apt near Hvd. Sq. Very inexpensive. UN 4-3845 (evgs).

Furniture needed immediately for sale to students at low price. Donations eagerly solicited, will consider purchase from staff as well as students. MIT Matron's Student Furn. Exchange, Mrs. Brooks, KE6-1746 or Mrs. Brown, VO2-1860.

Wanted: child's crib, full-sized baby crib. SToneham6-2087R.

Wanted: person to share Boston symphony season ticket, center 1st balcony. Half season, 12 tickets, \$35. Mrs. Unervagt, Ext. 873.

Wanted: working girl over 25 to share house near Hvd. Sq. beginning Oct. 1. Will have own BR. Rent, utils., phone -- \$35/mo. Ext. 5451 (Lincoln, days), or UN4-2026 (after 6 p.m.).

Wanted: used flat-top Spanish guitar with glued-on bridge, gut or nylon strings preferred. Larry Swain, Ext. 2794 or ST2-4450 (after 6 p.m.).

LOST: Antique gold ring, opal set in small diamonds. Last seen in swimming pool locker room, Tues. Sept. 9. Reward. Jane Miller, Ext. 2375.