



LOTS OF DOE

October fourth was a big day in more ways than one. While Sputnik takes its place among the stars, Lawrence Beckley -- with guide Guyford Stever (both of Instrumentation) -- bagged his first deer with bow and arrow. His first, and one of the first of the season in the State of Maine, which last year reported exactly nine deer, out of a total of some 45,000, killed without firearms. Beckley's equipment for the occasion: a glass-wood laminated "Bear Grizzly" bow from Grayling, Mich., and a quiver full of home-made arrows.

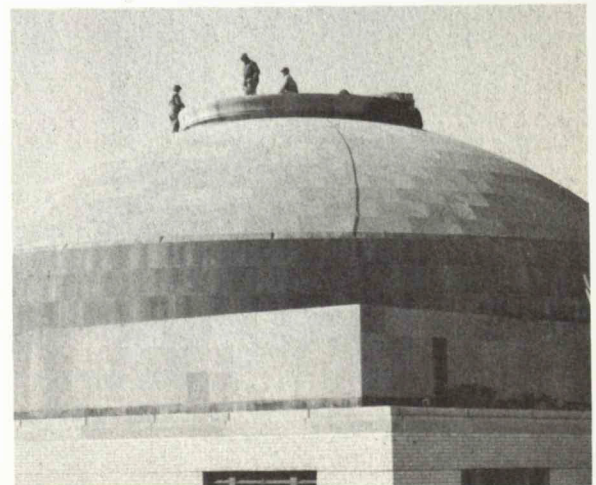
A hunter since the age of 15, Larry took up archery about three years ago with the Senior Boy

Scouts of Post #3 in Winchester. They had elected archery as their big project for the year. Larry, as "Explorer Adviser" for the Post, had the job of helping them to make some equipment. Between turning out bows and arrows for the Scouts and taking them on raccoon hunts in the Berkshires, he got so interested in the sport that his hunting guns now remain strictly in reserve.

Larry reports that one advantage of hunting with a bow is that archers get first crack at the deer season. For two weeks or so they can chase Indian-style through the woods with the comfortable knowledge that "there isn't a shotgun behind every bush." Beckley adds that deer are not the only potential bow-and-arrow game in this area. "There's lots of bear around," he says, "if you've got the nerve -- and the craftiness -- to get near them." But the final word in archery, Larry reports, was given some years ago by a Texan who, on a \$10,000 bet, headed for Africa with bow and arrow and came back with two elephants.

A NEW PATE

Still getting smoke out of the dome in Building 7? Not this crew. They are replacing, says Ray Howell (Physical Plant), the original glass-block skylight which has topped the dome since it was first built in 1938. When the old skylight was made, two huge glass chunks were fused together in such a way that water from the outside, and condensation from the inside, have been dribbling down ever since. Says Ray about the new replacement, "This one's got a Thyokol (synthetic rubber) seal between joints that will keep all the elements out."

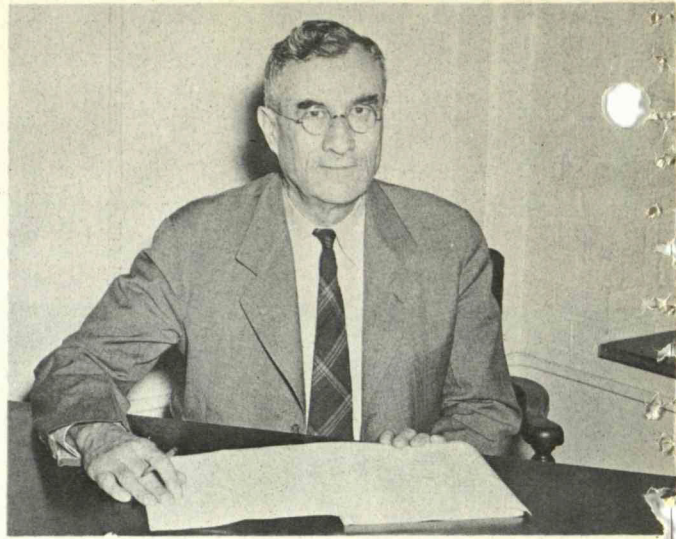


NO TENDERFOOT

When Prof. Warren ("Doc") Lewis receives next Monday the Gold Medal for Distinguished Achievement from the American Petroleum Institute, he'll have to make a brief speech which, if it is up to M.I.T. standard, will be as peppery as it is incisive. A graduate of M.I.T. in 1905, Doc's teaching abilities are a matter of legend to more than 40 Classes of chemical engineering students. Quaking at his famed lack of pampering protocol, they have gone out from M.I.T. to take top engineering posts all over the country -- never forgetting the most important lesson of the tireless, mobile-faced man who started them off: to think for themselves or suffer a variety of stormy consequences.

For Prof. Lewis, once characterized as a "would-be farmer who got sidetracked into teaching," the medal is only one in a long stream of top scientific honors. But it is not awards that count most with Prof. Lewis. "The only thing I have done is to train students," he says emphatically. "This petroleum business was strictly a cooperative effort. I didn't invent anything new. I only helped young engineers to apply new processes to the industry."

There is little evidence of Prof. Lewis' achievements in his office. But over in a corner hangs a plaque with a small, scarlet fish in the middle. "1954," it says at the top in large gold letters, "Award of Harengus Rubrus." The honor came from a local group of engineers who get together on Fridays for informal lunch and discussion. Fish being the chief dish on the menu, they call themselves "The Ichthyologists." To Prof. Lewis: the 1954 Award of the Red Herring.



Mrs. Thomas at home

DEVILISH

The Physics Department is going strong in the M.I.T. Silver Club. At the big fall banquet scheduled for November 14, two new officers will be presiding: Mrs. Barbara Thomas (chairman) and Miss Helen Williams (co-chairman). Mrs. Thomas has been holding the Physics Undergraduate Office together for 26 years, Miss Williams Physics Headquarters for 27. Between them, they know almost all there is to know about the myriad inner workings of Course VIII.

The new chairman's working quarters are not spacious. But, as Mrs. Thomas puts it, "this is more like a living room than it is like an office." This, she explains, is because students are always drifting in to settle down for a chat, to consult her on the intricacies of being a freshman, or to let off steam after a tough quiz. "To have contact with these boys is simply wonderful," says Mrs. Thomas.

"It's the best kind of job in the world for a woman of my age." M.I.T. runs strong in the Thomas family. Her husband took his B.S. in civil engineering ("the reason I'm here now"), her son-in-law in aeronautical. But for Mrs. Thomas it's angels, not science, that come first. "I've got a collection of about 20, now," she says, "from all over the world, all beautifully made." Asked how she happened to pick up this particular interest, scientist Thomas quips: "Opposites attract."



HERE AND THERE

The big fall production of the M.I.T. Community Players opens on Thursday. "Dark of the Moon," a Tennessee mountain folk drama complete with song and dance, (Howard Richardson and Wm. Berney), will be presented November 7, 8, and 14-17 in the Little Theatre, Kresge Auditorium. Comments Director William Greene (Humanities): "moderately difficult to perform, but one of the most fascinating plays in all literature."

For answering correctly the question, "Is Eisenhower the 32nd or 34th president of the US.?", Laura Fabrizio (Photo Service) is startled winner of exactly \$50 worth of ballroom instruction from Maestro Murray himself. If she hadn't fallen down a flight of stairs in the interim, Laura would have made her first appearance at the Murray Studio a week ago.

The M.I.T. Charter Flight to Europe gathers momentum. So fast, in fact, that a second "five-week" flight is now in the offing-- New York to Paris on June 15, return July 19. Total cost, \$280 round trip (off-season rate); minimum personnel, 68. Contact man is Stewart Mott, RE8-5271 or 36 Alice Street, Revere. Busy Mott reports that seats on the 3-month flight are going fast, recommends fast booking for those still interested.

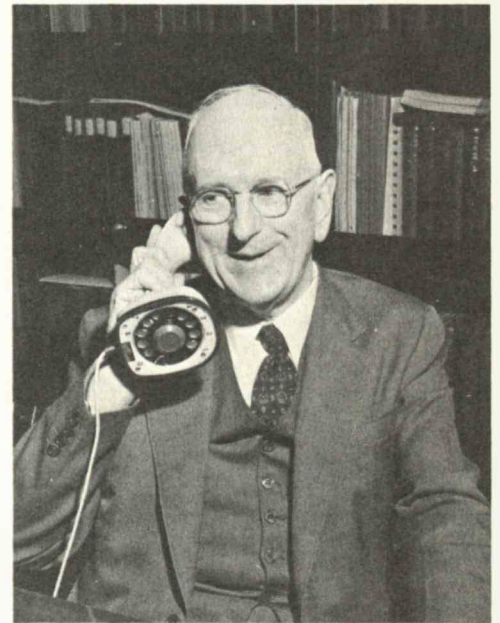
From Prof. Robert Harris (Food Tech), a seasoned challenge: "I wonder whether anyone in the M.I.T. community can top my 74 for 18 holes of golf this year?" The only qualifier we can find is trophy-laden Bob Goss (Metallurgy), who reports top scores of 72, 73, and 75. Tech Talk invites any missing candidates to record golfing glories in Room 3-339.

THE BIG SWITCH

It's not only M.I.T. mail which approaches a city of 20,000. Tucked away on the second floor of Building 10 is the heart of the biggest private telephone system in New England. Thanks to the efforts of Prof. Carlton Tucker (Elec. Eng.), who became interested in telephones long before he graduated from M.I.T. in 1918, it's also one of the most versatile and efficient systems in the area.

At the moment, says Prof. Tucker, M.I.T. is running just ahead of his home town of Whitman (population 10,000) in the number of telephone lines currently in use. The scoreboard: Whitman 2,160, M.I.T. 2,400. Like any city, M.I.T. has an automatic dial board for inside calls, a manual board (manned by a maximum of four operators) for long-distance and incoming calls. Also like a city, the big central switchboard has been in operation round-the-clock since its installation in 1952. But with Mr. Tucker on the premises, certain gimmicks have appeared which, according to Chief Operator Agnes Morrice, "make the M.I.T. system unique in New England."

In addition to a number of efficiency moves on the switchboard itself, Prof. Tucker has put



Tucker tests Swedish model

into operation several schemes of broader scope. M.I.T. has a total of 34 tie lines ("way more than most places," says Tucker) which stretch all the way from Cambridge and Lexington to field stations in South Dartmouth and on Cape Cod. In most of the big labs and in Photo Service there are special telephone circuits called "locators," which enable a caller to track down wandering personnel by means of a loud-speaker and paging system. There is also an unusual number arrangement. Using conventional methods, M.I.T. numbers would be listed in their order of appearance through the years. But Prof. Tucker and his secretary sat down one Saturday morning in 1939 and classified all the numbers by department and course number. This system is the envy of many big industries in the area.

How does it feel to be sitting on top of such a system? For the most part, Agnes and her operators run into nothing more urgent than the flood of calls occasioned by bad weather, or M.I.T. scientific sallies in the news. After one blizzard, Agnes recalls, the first call asking hopefully about cancellation of classes came in at 4 in the morning. In addition, says Agnes, "there are always the people who think they can get their refrigerators fixed by calling M.I.T." Supreme example of this occurred a few years ago when one of the operators plugged in a call and heard a distant voice ask: "Could you please tell me how to shrink a mouse?" Agnes thinks the animal was gumming up the plumbing, referred the party to the Biology Department without waiting for further details.



The heart of the system

FOR SALE ETC.

2 prs men's roller skates, sizes 7 & 11. Best of care, excellent cond. Reasonable. Reason for selling; need precision skates. Ext. 656 (Lincoln).

'46 Chrysler Windsor 4-dr sedan. R & H, spotlight. 5 excellent tires. 1957 Mass. inspected. \$65. IV4-6482.

'48 Chrysler Windsor 4-dr sedan. Good running condition. Good tires. \$90. B. G. Farley, Ext. 7202 (Lincoln) or MI8-5050.

Hillman Minx convertible. Green body, 3-position beige top. All leather upholstery, excellent gas mileage, proved dependability. 1948 model (a good year for minxes). R. Pelletier, Ext. 4410

'50 Buick Special 4-dr. Dynaflo, R & H. Reasonable. Alan Cornell, Ext. 3106.

'51 Austin A-40. Good tires. About 50,000 miles. \$225. CO7-8691 (evgs).

'51 Ford sedan. Dark green. New motor-- 6000 miles. 4 new General tires -- 3000 miles. New carburetor, fuel pump, electrical system & battery. Fordomatic, R & H. Bob Oliver, Ext. 3604 or WI6-0365 (evgs).

'56 Plymouth 6 cyl. 2-dr. Manual shift, heater, seat covers. 15,000 miles, excellent overall condition. \$1200 (can arrange payments). Alan Garen, Ext. 708.

'57 New Moon Challenger Trailer. 10' wide by 45' long. Perfect condition. Asking \$5000. J. Royce Brown, Ext. 346 (Lincoln).

A group of young professional people who are cooperatively developing an 80-acre tract of land for their own contemporary homes in Weston seeks additional members. Land ready for building in late spring. 25 large lots. Ext. 204 (Lincoln).

For rent. Fairfield Gardens, Watertown. 2 BR duplex garden apt. 20 min. to MIT & Lincoln Lab. Walking distance to MTA & B&M. \$97.50/mo. Avail. Nov. 15. WA 4-2409.

For rent. Furn. apt. 2 lg rooms & bath. Baby welcome younger than 1 year. Located in Wellesley "where there are grass and trees and freedom from city noise." \$75 includes heat & utils. H.B. Brainerd, Ext. 2467 or WE5-1350.

For sale. Somerville. 6-rm single. Unfinished attic, 3 BRs (closet in each), tile bath, automatic warm-air oil heat, 2-sided front porch. Gas Hardwick range. Income from 4 garages. \$12,800. VO2-3409.

For sale. Glen Meadow section, Waltham. 6-rm ranch with attached garage, full basement, ceramic tile bath. Located on quiet, safe street. Easy commuting to MIT & Lincoln. \$16,900. Ed Rawson, Ext. 5330 (Lincoln) or CL9-9566.

Wanted: rider from base of Jason St. on Mass. Ave. (Arlington Center) to Lincoln Lab. Arrive 8:15, leave 5 p.m. Mrs. Knapp, Ext. 5464 (Lincoln).

Wanted: completely furn. 2-or-3 rm apt. for MIT visitor. Nov.-Dec. Near MIT. Miss Meyer, Ext. 3321.

Wanted: upright piano in good cond. Davis, Ext. 4278.

Wanted: male yellow kitten with double paws. Miss Toppan, Ext. 4267.

Students from France, Germany, or Italy are asked to take part in a study of the psychology of language being conducted by P1 Roger Brown (C.I.S.). One interview (about an hour). Payment: \$2 plus carfare if needed. Ext. 2661 for appointment.