

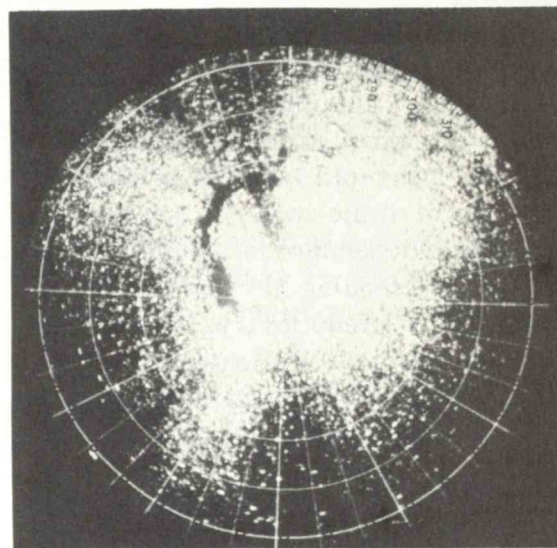
HOME OF THE BEAM AND THE COD

"Angel" -- a word given to wrestlers as well as more celestial beings -- is also radar lingo for inexplicable spots appearing on a radarscope. Once thought to be reflections of the radar beam from points in the sky where nothing can be seen visually, angels have often interfered seriously with the tracking of aircraft by ground radar installations.

Detective work at Lincoln Lab's radar station in South Truro on Cape Cod has recently shown that many angels are indeed feathered creatures. Noting that the spots formed definite patterns depending on the time of day, weather, and time of year, Dr. R. E. Richardson and his colleagues found that many of Truro's angels behaved surprisingly like birds, and especially the many herring gulls in the area.

Gulls, as well as migrations northward in spring and southward in fall, were pictorially recorded.

Airplanes sent up to investigate flew lower than before and found their first, fluttering angel representatives. Result: Truro experts varied the voltage in the radar equipment so that low-flying birds no longer clutter up the scopes. They are also hopeful of a new liaison between ornithology and radar, by which the latter can contribute to important knowledge of bird habits -- especially in sea areas where information has so far been difficult to obtain.



Midnight radar view of migrating "angels" in South Truro (October 10) covers a distance of 100 nautical miles.

Elmer Condon (left) and Ed Wise (right) pick up



TRASH CACHE

If the skies have been any rosier than usual lately, it may have something to do with MIT's clean-up contributions to the South Boston and Lexington dumps. The Physical Plant moving gang, better known for their artistic freight trains of furniture and lab equipment, helped to fill MIT's five-ton dump truck 12 times with miscellaneous campus junk, while Lincoln Lab said goodbye to three tons of scrap, 120 barrels of trash, and 5 truckloads of equipment sent to the warehouse for storage.

Requisitions from Cambridge offices for pick-up service listed a variety of rubbish: wooden stairs, empty acid drums, motor car door, two barrels of salt, space helmet, 40 catalogues and, from the Food Technology Department, "powdered eggs, powdered milk, coffee roaster, drawing board and electric oven." There were also a number of

chemicals collected, slips for which contained in huge writing the terse reminder, "DO NOT PUT INTO INCINERATOR. THEY WILL BLOW UP."

According to Safety Engineer Mark Dondero and clean-up chairman Larry Romano (Instrumentation), response to this campaign, as expected, was considerably less than the effort in 1956, which was the first campus-wide campaign in several decades. But enough hand-me-downs and just plain junk was accumulated this run to put MIT Improvement Time regularly on schedule for the future.

SHOOTING STAR

He was not a silent partner. Lenny Boyle could absolutely be counted on for a forceful statement of what he believed. "I may be wrong, but I'm loud," commented Lenny as he left his last bargaining session three weeks ago. President of the MIT Independent Union for five years, 37-year-old Lenny died on November 1.

The title of the union -- and Lenny himself -- had much in common. Unusually independent in thought and action, Lenny was as agile and vociferous defending his own deeply held convictions as he was in forcing others to defend theirs. An untiring worker for the cause of labor, he devoted himself wholeheartedly to the welfare of his fellow men not only in the union, but in numerous other MIT activities and areas as well. To all he also brought a rare and tenacious integrity, combining profound humour and honesty with unflinching vigor.

Lenny leaves a wife, Patricia, and three children under 3½. In recognition of his large contribution to "the MIT community at large," friends from all over MIT have established a Lenny Boyle Family Fund. The aim: \$10,000, to be held in trust for the welfare of his family and the education of his children. Contributions may be sent to Alice Cox, Union Secretary, in Room 20A-006, Ext. 2544.



Leonard E. Boyle



Two-gun Bob (left) and BAT (right)

QUALIFIED

The way things are going, it wouldn't be too surprising to see a delegate from Admissions appearing on "Gunsmoke" one of these days. Bob Weatherall, English-born history major from Cambridge University, recently received a scroll appointing him an "Honorary Texan." Appropriately decorated with ten-gallon hat and cactus, scroll was sent by enthusiastic students at Technical High School in Fort Worth after Bob's visit there in October to tell them about MIT. And Admissions Director B. Alden Thresher, last month elected chairman of the College Entrance Examination Board, confesses that an earlier visit to parts west brought him the title of Police Officer of Vinita, Oklahoma.

RUB-A-DUB-DUB

Officiating at the Silver Club banquet last week were new officers Vera Manganelli (Chairman) and Madeleine Quinn (Vice Chairman). Joint holders of a 61-year record at MIT, Mrs. Manganelli has been secretary to a parade of deans, Miss Quinn a 29-year worker on accounts in the Cashier's Office.

An early worker in the now extinct Department of Mining and Metallurgy, Mrs. Manganelli has more recently kept things shipshape for an admiral (Cochrane) and a nautical enthusiast who is also chairman of the MIT Corporation (Vannevar Bush). Only member of the trio who is not a current boat owner is the Admiral himself. Dr. Bush likes to spend spare time aboard his

47-foot cabin cruiser, the Manganellis fishing from their 19-foot Finlander in Buzzards Bay.

The three hold another interest in common. Dr. Bush has his flourishing hothouse, Mrs. Manganelli an office window stuffed with an arresting array of African violets. Her record: 20 plants in bloom at once. From these, over the years, she has donated clippings to the Cochrane household to begin a collection there.

Aside from gigs and greenery, Mrs. M. has plenty to do keeping up with the gentlemen, whose constant comings and goings (mostly by plane) she prepares meticulous records for a month in advance. As chairman of the committee for revising SOLAS (Standards for Safety of Life at Sea), Admiral Cochrane makes occasional trips to Washington. This month he is also keeping appointments in Williamsburg, Newport News, Philadelphia, New York and Quincy -- the last of these for the christening of the S. S. Sofia by an enthusiastic Greek visitor, Queen Frederika.



Quinn (left), violet (center), Manganelli (right)



Joe talks leaves

GREENSLEEVES

From a dorm newsletter dated November 5 comes word that "this month's pat-on-the-back goes to Joseph Lapore, who takes care of the grounds around Baker." Mr. Lapore was cited for the "golfing green quality" of the lawns, for his good care of the general dorm environment, and for some flowers he planted last summer in back of Baker "on his own time."

Joe's solo domain runs from Baker House down Memorial Drive to Burton House. With its direct exposure to wind-funnelled expanse of Charles River, Joe says that this stretch is a real leaf and snow gatherer. "You can't beat 'em," passers-by tell him consolingly as he hefts his rake after a fresh autumn easterly.

Joe reports that the flowers added to Baker posterior were Salvias -- hardy scarlet annuals which also decorate the front lawn. "But we're pretty much limited to shrubs here," he says. This, explains Joe, is partly because some irises he once planted in front of Burton House were kidnapped, under cover of darkness, almost as soon as they hinted at flowering. Once in a while, too, scientific-minded students unknowingly leave their mark on Joe's landscape. Latest example of this were pranksters who spelled out "BURTON" on the Baker House lawn -- not in tulips but in acid-deadened grass. Joe notes he'll be doing considerable planting in that area come spring.

HERE AND THERE

Under the sponsorship of the student International Program Committee, another MIT Charter Flight to Europe is gathering momentum. The 93-passenger plane will leave Boston for London on June 17, returning by the same route on September 12. Price: \$280, round trip. Reservations and further information from Herb Kavet, RE4-0391 (evenings).

With a few corners yet to be heard from, United Fund has so far received from 4500 MIT givers a sizzling contribution of \$44,304.20. The number of contributors to this year's drive, says chairman Bob Holden, is "up substantially" over those in 1957. "This is really terrific," he concludes enthusiastically.

Correction: since the campus is almost swept clean of a Saturday night, the Graduate House Snack Bar is not open at that time. Nibblers are invited on Sunday nights (9:30 p.m. to 12:30 a.m.), as well as on Mondays, Wednesdays and Fridays.

A new twist to Dr. Killian's Washington duties. A Cleveland newspaper reports that one of 19 honorary degrees conferred by Oberlin College last month during its 125th anniversary celebration went to "James R. Killian, president of MIT and space advisor to President Truman."

FOR SALE ETC.

Practically new Kimball baby grand piano in perfect cond. Mahog., Queen Anne, less than half price. Wedgewood bone china, Santa Clara, completely perfect service for 12, half price. UN4-7854 (evgs and Sundays).

Gem baby crib. Good as new, used by only 1 child, \$20. Mrs. Fitzgerald, HI5-9860.

Pair of lady's white ice skates. Size 7 med., worn twice, \$5. LA7-8387 (evgs).

Mauser 9-mm rifle with hunting stock, approx. 300 rounds. Best offer. Ext. 3320.

Round-type GE dishwasher, \$20. VO2-7750.

Reinforced Allstate chains, 6.70 - 15. Seldom used, any reasonable offer. Ext. 4459.

Boy's 26" bicycle. Chrome fenders, headlights, siren, \$20. Lew Zannini, Ext. 7148.

New Schwinn man's bike, 26". Red and chrome, front and rear carriers, white tires, chain guard, \$40. John Golis, Ext. 2371.

Two snow tires, 6.70 - 15, retreads. One only used 2 mos. \$19. Mrs. Howe, Ext. 737.

Light blue hair dryer, 215 watts. Used only 2 hours. Orig. cost \$8.75, \$4.50 with stand. Margie, Ext. 648 (Lincoln).

Vogtlauder Vitessa camera. F2 lens, leather case, light meter, sunshade, 3 yrs old and in good order. \$55. Ext. 776 or KI7-6922.

14' Runabout. Windshield, lights, mahog. decked, with 25 hp Evinrude electric in excellent cond., and Elgin trailer with winch and keel rollers. Asking \$600. UN4-7215.

Huntington upright piano. Asking \$25. Edith Gillespie, TA5-7631 (after 6 p.m. or Saturdays).

Birch kitchen cabinets. Two 36" wide wall cabinets, one 100" long counter with Formica top, double sink with fixtures, stainless steel trim, \$75. Also, apartment size gas stove, \$25. Trueblood, Ext. 2371 or VO2-5315.

Hallcrafters 12" speaker. About 5 watt capacity, 50-10,000 cycles response. Ancient, but useful. Asking \$10, best offer takes it. R. L. Brandes, CO6-3441 (evgs).

Heath Kit pre-amp. Excellent cond. \$20. Dawson Sawlor, Ext. 3537 or W2-209.

Rek-O-Kut - S120 - 12" stereo pick-up arm. 1 mo old. New, \$28, asking \$18. Also speed graphic 2 1/4 x 3 1/4 with trimmings. \$95. R. L. Brandes, CO6-3441 (evgs).

Speaker cabinet, base reflex bookshelf pattern, designed for Jensen 8-inch Woofer-Tweeter combination. \$9.50. Gillespie, Ext. 711.

Philco combo 33-78 record player, TV, AM-FM radio. 7 yrs old, best offer. Betsy Arbogast, Ext. 127.

National NC-98 ham receiver with matching speaker and instrument manual. Like-new cond., cost \$150, sell for \$75. J. Penhune, Ext. 671 (days), KE6-5043 (evgs).

Marigaux flute, silver plated student model, virtually new cond. \$100. H. H. Kolm, Ext. 30-5329 or EL8-2175.

Allstate "175" motorbike will solve your transportation problem. Safer than motorscooter, with better performance and more comfort, yet simple to operate. Full swing-arm suspension, 175 cc, 10 hp engine, speeds to 60 mph, 75 mpgs. Requires only motor scooter insurance, low mileage, sacrifice at \$195. R. A. Howard, Ext. 623 or EL4-3842.

'40 Chrysler 4-dr. New battery & tires, 6-cyl., R&H, \$40. RE8-2449M.

'50 Olds convertible. Good cond, winterized, R&H, good snow tires & top, new paint. M. Rieber, Ext. 3126 or RI2-1583.

'54 Volkswagen. Very nice cond., \$800. In Marshfield, TEmple 4-7762.

'54 Porsche convertible. Very good engine & inside. \$1750 or best offer, can be seen Concord or Cambridge. Ext. 3610 or EM9-5723.

'55 Plymouth Plaza 2-dr. One owner, motor in A1 cond., green, 6-cyl., R&H, standard shift. \$650. Ext. 2201 or UN4-8163.

'56 Ford Fairlane Victoria 2-dr hardtop. Blue & white, perfect engine, very clean, snow tires. \$1350. Mr. Geller, Ext. 3567 or CU6-7062.

'57 Firesweep De Soto. R&H, standard shift, ww's. UN4-7854 (evgs & Sundays).

'57 MGA roadster. Excellent shape, \$1800. J. Brosens, Ext. 560 or IV4-6306 (evgs).

'57 Mercury Montclair 2-dr hardtop. Yellow & white, all power, new wws, 25,000 miles, excellent cond. \$1,850 will finance, \$2,280 book value. Granite 2-7970.

'58 Dauphine. 4 mos old, excellent car, \$1395. Rodney Brooks, UN4-4815.

Unfurn 5-rm unheated apt in Belmont. Driveway, conv. to schools, MTA, churches, stores. Avail. Dec. 1. Mrs. Shannon, Ext. 3584 or IV4-1028 (5-7 p.m.).

Apt for rent, 4 Price Rd., Allston. 2 BRs, heat, janitor service, back porch, 6 min to MIT. \$80/mo, 1-yr lease required. Iris Sax, Ext. 3518 or 3519.

For rent about Dec. 15 in Melrose: 4-rm 1st floor apt in single home neighborhood. \$70/mo. NO5-2758 (after 6 p.m.).

Unfurn. apt in Lexington. 2nd floor, 6 rms, steam heat and oil. Conv. to stores, schools, churches, avail. Dec. 1. VO2-5248.

3-BR Ranch in Lexington on dead-end street. 5 min walk from Lincoln Lab. Asking \$15,900. Owner, VO2-1426.

House for sale, Lexington. Cape on 1/3 acre wooded lot. 2BRs up, 1BR or den down, 17' K, lg LR-dining area, porch, garden house. Mid-teens. Owner, VO2-0401.

House for sale by owner, Bedford. 3-acre, 6-rm Colonial, 4 blocks to center, priced for quick sale. Ext. 281 (Lincoln) or CR4-7935.

4BR, all-elec. home. Corner location, registered land, low assessment (\$105/yr). Automatic laundry, refrig, special landscaping, fenced yard, close to all facilities. \$13,000 bracket. HY3-2467.

Desperately needed: foreign-made ski-boots, ladies size 9. Lack of money an obstacle. Call Ext. 2703.

Wanted: roommate (male) to share 5-rm apt with 2 physics grad students. \$40/mo plus utils. 159 Newbury St, CO7-0516, or Ext. 2521.

Wanted: 15 TRX-B E/V speaker and upright vacuum cleaner. R. L. Brandes, CO6-3441 (evgs).

Wanted: snowshoes -- workable but not elegant. Dr. Hardy, CL9-8646.

Wanted: 1 girl to share apt with 2 others on Commonwealth Ave near Copley Sq. Lg LR & BR. Miss Rogers, Ext. 3119.

Wanted: Singer sewing machine. Also Wander Horse (large), FM radio. Ingram, Ext. 3706.

Bachelor roommates wanted: need 2 or 3 roommates to fill spacious, well-appointed (5 BRs), English Tudor just off Mt. Auburn St. in Watertown. 10 min to Harv. Sq. Maurice Tonti, EL4-5400 (days), or WA3-0820 (evgs).

Wanted: 7 or 8 inch circular saw. Good cond., low price. John Mara, Ext. 2193.

Wanted: low priced, used turntable & arm or changer for 33 1/3 speed. Norma Getty, EL4-0934 (evgs).