



NEW PACE FOR THE SPACE WAR

Last Wednesday a task force headed by Dr. Jerome Wiesner (RLE) presented its report on the space race to President-Elect Kennedy. And on the same day it was announced that Jerry Wiesner had accepted the position of Special Assistant to the President for Science and Technology.

First held by Dr. Killian in 1957, this post will take RLE's 45-year-old director from the Institute on leave of absence. No stranger to government service, he has been a member of the President's Science Advisory Committee and the Army Scientific Advisory Committee.

A leader in developing the "scatter communication" technique used in distant early warning, Dr. Wiesner was in charge of developing large airborne early warning radar during World War II and also

. . . a tough communications problem

headed instrumentation planning for the Bikini A-bomb test . He holds the President's Certificate of Merit for that work. He is chairman of the steering committee of the Center for Communication Sciences, and a member of the Lincoln Lab steering committee.

In 1958 he served as staff director of the American delegation to the Geneva Conference, and is widely known as a protagonist for arms control. Still, taking a long look at world crisis, advisor Wiesner says he's met the toughest communications problem in his career -- how to effect a feeling of mutual security between U.S. and U.S.S.R.

WE THE JURY

Some of the trials are tedious, and some remembered as " one of the most interesting things I've ever done." Whatever the case, when the jury lists are drawn and the notices mailed out, MIT personnel have no trouble cooperating. The Institute, recognizing this duty, sees to it that a juror (or witness) doesn't lose his normal earnings. Procedure is simple (providing that the employee was hired before he received notice of the duty): he just obtains authorization to be absent from his department, and afterward presents a certificate from the court which shows his length of service there and also his reimbursement for it. Only exception to this is in the case that he should have to appear in court on his own behalf (the ever present traffic fine, a law suit, or the like). And if, for instance, he should be participating in a grand jury which didn't meet each day, he'd come in to work as usual, whenever court was not in session .

Right now there are several MIT people serving as jurors, and some who've participated recently in cases. Kenneth Dunham (Physical Plant) spent thirty-two, 9 to 5 working days in 1959 as member of the federal grand jury which voted the Goldfine case to indictment; recalls they also heard matters from bookie to white slave cases. More recently, Alexander Simms (Physical Plant) served last month for the third time in Suffolk Superior Court.

Paul Kruger, son of freshman Clarence Kruger, would like to get a closer look at the glass spinning wheel safely shelved away in Building 2



GLASS WITH CLASS

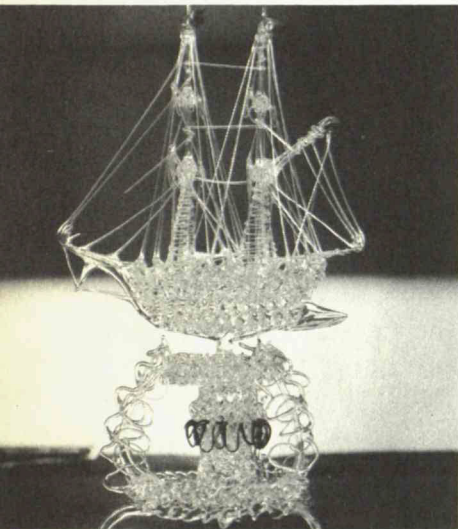
From ancient telephones to modern vacuum tubes, the MIT corridor cases are filled with sundry items on display. Not all the exhibits are purely scientific, however. Venturers to Building Two's third floor can find an array of glass blown here at the Institute some fifteen years ago.

Ensnconced outside Chemistry Headquarters, the collection is the work of Henry Wayringer who was glassblower for that department until he retired in 1947. Henry was from Austria, where he began his apprenticeship at 14, and had traveled all over Europe perfecting his trade. Prior to service here, he made ultraviolet ray lamps at GE. When asked the secret of glassblowing, Henry was once quoted as saying, "If you have good eyesight, a good pair of lungs, a good throat and plenty of flexibility in your hands, well . . ."

During his career he fashioned the first quartz neon lamp used as an airplane beacon, the first machine for blowing glass and the first tungsten lamp. And for TCA one year, he created hundreds of glass ornaments for the Bldg. 10 Christmas tree.

Upon retiring, Henry Wayringer went up to Harvard for a time, is now an 86-year-old resident of Florida. But some of the delicate, soft glass and quartz work which he did for fun is still here to be admired.

Spun sugar-like schooner at left is among the collection of scientific and artistic glassblowing which was left with the Department of Chemistry when Henry Wayringer retired from MIT back in 1947



FAR OUT

The giant Convair 880 jet airliner has broken coast-to-coast speed records at 665 mph. and is called by one airline "the quietest distance between any two cities."

The pilot who took 880 up for its trials was Don Germeraad, a 1950 graduate of the Department of Aeronautics and Astronautics. Two weeks ago he came back to give the H. N. Slater Flight Transportation Seminar for student and professors in the department.

Flier Germeraad is now chief test pilot at Convair's San Diego division. Recounting his work with their jet series, he described their most important test areas. "But," he quipped, "we all know the most important thing is to have breakfast in N.Y., another in L.A. and find your luggage has gone to Tokyo."

Alumnus Don Germeraad, to a seminar of more than 40 people, reported on his activities as a test pilot of commercial jets. One of the planes he has "shaken down" cruises at a speed of Mach .91





Dennison grips his brainchild tractor

DIESEL DAZZLE

Cruising on this side of the Charles, is a good-sized fleet of MIT vehicles from launches to trucks. And the more than good-sized job of maintaining them belongs to one man. For 30 years now mechanic Roger Dennison has worked for MIT, started in during high school days.

Back in Machias, Me., his father was caretaker of the Civil Engineering field camp for 44 years. And Roger, following the same path, came to Cambridge and worked in several different jobs until the war started. Then, a chief motor machinist in the Navy, he taught diesel work at the GM Institute, served aboard a mine sweeper in the Caribbean.

"You used to know pretty near everybody here," he recalls. Still in the same shop, next door to the Power Plant, he has considerably more to attend to than in those days.

Among the Institute equipments are 7 trucks, 3 launches, 4 tractors, a new caterpillar, ice machine and cleaning machines. And when they are in top running condition ("I have to fix things because there's not enough room for them in the shop"), there are always compressors and generators to be tended, or -- come spring -- lawnmowers to sharpen.

Some of our equipment Roger Dennison has made. The old ice conditioner was dreamed up by him, Johnny Ayer and Ken McDonald -- from a Ford tractor and a shearing blade. When it was operating, the plans were drawn up; afterward sent to several midwest colleges which copied them. And the little yellow tractors which pull staggering loads across the campus were his creations, too. The first, composed of chassis, gear, brakes and transmission from an old Plymouth junked by a disgusted student.

Says the ingenious Roger, it's satisfying and fun. ". . . And every day there's something I haven't run into before."

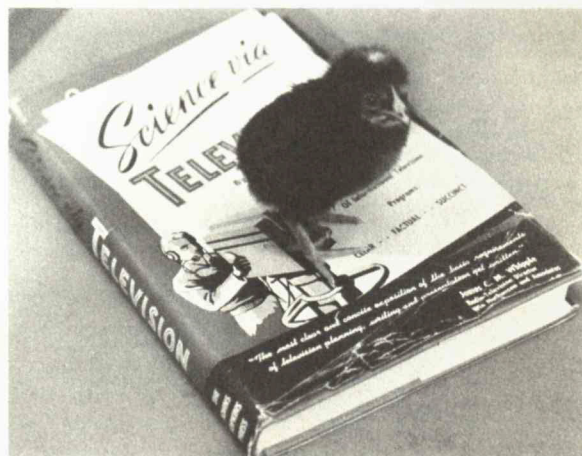
LIVING COLOR

The MIT educational television program "Science Reporter" has, since fall, been a network production. Video tapes are made of the original (Wednesday, 9:30 p.m., Channel 2) performances, then shipped out to 8 TV stations across the country.

Keeping pace with this trend of expansion, Science Reporter creators have been sparing no effort in their search for vivid visual materials. Latest "prop" came from the Upjohn Co in Michigan, crated, and weighed almost 2,000 lbs. It was the "Living Cell" model, copy of an even bigger one.

Physical Plant movers had no small struggle getting the cell placed on station WGBH's freight elevator, an even harder time sending it back. For Dr. Irwin Sizer's (Biology) discussion "The Structure of Life," however, the monster was perfect; the cell, normally microscopic, was enlarged to full 5 feet across.

Joining the cast for Part II of the topic, on the following week were Nelson Lees' noisiest guests to date -- 12 baby chicks, driven in from Andover to make their network debuts.



Where's the teleprompter?

FOR SALE ETC.

Lady's ski boots, size 9, narrow, yr old, good cond. Orig \$35, asking \$10. Shirley Mag-nanti. CO7-9370 (evgs).

Heathkit oscilloscope \$30 or best offer. Also studio couch with cover and sheets, \$50 or best offer; '53 Ford manifold carburetor and air clnr, \$40. J. Cunningham, Ext. 2576 or UN4-5113.

English bicycle, 6 mos old, \$35. Ext. 4850.

Typing and mimeographing. Mrs. Lomax, GA7-8053.

University model 6201 coaxial spkr in cab, \$25. Also Pilot 10 with power amp, \$10. John Hursh, Ext. 3584.

Lamb beige carpet, 9 x 12, with mat. Mrs. Langridge, Ext. 710 or UN8-6594 (evgs).

Blond mod DR table, 32 x 46 with 1' leaf, purchased from Paine Furn, almost unused, half price. Mrs. England, CL9-8197.

Goya guitar/G/30, \$300. Don Dilworth, 77 Kirkland St., ELA-2931 (evgs).

Hallicrafters SX-100 communications reserver, \$175. J. Milgram, LO6-5642 (evgs).

Pair women's white shoe roller skates, size 7½, case, good cond, \$12. Hause, Ext. 612 or KI7-0164.

Two commode end tables, mahog, lthr tops, \$15 per. Leupold, Ext. 2606.

Latest mod Hammond organ, 24 pedal. Also Leslie spkr cab. Mr. Benton, Ext. 2691.

Student Moving Service will arrange to move household articles, furn, etc. locally or across country, prices below average. UN4-8656.

Will give book of green S&H stamps with purchase of girl's bike, \$15. Bert, Ext. 2553.

WW tubeless tire mounted on wheel, 900-14, \$15. MI3-6465.

Matterhorn skis, safety bindings, 6'6", \$20. Mrs. Farrington, Ext. 2675 or UN4-0372.

GE refrig, good cond, \$38. MI3-8777.

BR, IR, DR, K furn, good cond, best price. Mary, BE2-1846 (after 6 p.m.), after Jan 20.

Papers typed. Mil, UN4-0014 (after 5:30p.m.).

Ski rack, 4 pair, Fits VW, Renault D. Ken Hales, Ext. 3771 or KE6-8728.

Refrig, 9 cu. ft, 4 -yrs old, \$40. MO6-8527.

Danish style couch, maple back and arms, \$10. Ext. 2670 or WA6-0122.

Will type theses and term papers. Mrs. Peterson, 9 Bay State Rd., CO7-3698.

Two factory tested KLH mod 7 spkrs, 4 mos old, walnut. Mary Jacobson, Ext. 718, or UN4-9190.

Laverne stainless steel cookware, West Bend. Orig \$229, sell for less. Bonus, 8-place settings Rogers Bros stnless steel tableware, plus mixing bowls. Art, BR2-1271.

Keystone K-70 bright beam movie projector, 500 watt capacity, \$40. Bob, Ext. 659.

Zenith 17" console in good cond, \$39. Foreign student leaving U.S. Tezcan, Ext. 3109.

Earn 4% on your spare money. Ext. 2844.

Argus 300 slide proj, manual, good cond, best offer. Ed McCarthy, Ext. 7478 (Lincoln).

Used accordian, exc tone, \$25 but negotiable. Bhupendra, CI7-7855.

Unused skating shoes (size 8). Gopan, Ext. 2146.

Magic Chef gas range, high broiler, lt, timer in very good cond. \$50. Jean Hall, Ext. 4832 or Gibson 7-2295.

Single bed, spring, mattress, matching bureau, chest of drawers, birch, nearly new. Also chrome K set. UN2-7043 (after 6 p.m.)

Radio Craftsman amps, \$35; Rek-o-kut turntables, \$25; Rek-o-Kut arms, \$10; GE, Pickering cartridges, \$2-3. Leave note with name and order at Music Libe. We'll contact you.

Unused, unopened surplus elec frying pan, \$12. Mrs. Curwen, Ext. 3210.

75" Dynamic skis, bindings, very good cond, \$40, also extra bindings, \$5. KI7-0847 (evgs).

'51 Hillman, motor comp overhauled, 4 new tires, \$150. Johnny Ayer, Ext. 745.

'51 yellow Ford convert, new tires, top; good mech cond. \$110 or best offer. Janet, IV4-4695 (evgs).

'52 Buick, super 4-dr sedan, auto trans, good cond, clean, \$250. (Living country) J.F. Decanni, Ext. 2348 or TR6-3601.

'51 Mercury convert, rebuilt eng, almost new battery, trans; drives like a dream. \$175 or best offer. EV3-1772.

'53 Mercury 4-dr sedan, R&H, auto trans, best offer. A. Sanderson, Ext. 5468 (Lincoln).

'53 Dodge, auto, perf running cond, asking \$200. Ext. 2121.

'53 Pontiac Chieftain deluxe, dk green 4-dr sedan, R&H, prac new tires, neat, \$250. Ext.2424 or EL4-4783 (evgs).

'54 Ford panel truck, exc mech cond, must sell for \$500 or best offer, avail mid- Feb. R. C. Levine, Ext. 619.

'54 Chevrolet convert, std shift, R&H, good top, \$300. Ext. 2531 or KI7-2097.

'55 Olds 4-dr Holiday hdtop, pwr steering, p brakes, ww's, hydromatic, R&H, good cond. Al, EX5-0801.

'56 Eng. Ford Consul 4-dr sedan, R&H, eng exc cond, custom ski rack, \$600 or best offer. Ext. 3135 or KI7-0961 (evgs).

'56 Chevy blk Bel-Air 4-dr sedan. R&H, powerglide and steering, good cond, \$800 or best offer. H. Kushner, Ext. 7474 (Lincoln) or TR6-6758 (evgs).

'56 Packard 400, 2-dr hdtop, p.s., p.b., pushbutton, auto antennas, signal seeking R, lthr and cloth interior perf body, 40,000 mi, asking \$1,100. F. Lagarde, Ext. 2432 or RE4-2884.

'57 Plymouth conv, white top, gold body, continental kit, R&H, power steering, \$950. Also '60 MGA convert, \$1,950. Joe Kleiman, Ext. 4068.

'58 Renault Dauphine, sunroof, ww's. UN8-6836.

'58 Vauxhall. \$675 for quick sale. Lou, Ext. 2482.

'58 Plymouth 4-dr hdtop, auto trans, power steering, R&H. AS7-8764 (after 6 p.m.)

'59 Sprite, 8,500 mi, never found time to race. \$1,195. Ext. 3426, R. King.

'60 Chevy station wagon, 8-cyl, std trans, blue, exc cond, 22,000 mi, Asking \$2,100, will haggle. George, TR3-7854 (Frammingham, after 5 p.m.)

'60 Saab, 3,800 mi, like new, see for yourself, \$1,395. Ext. 3439.

4-rm unfurn apt, K. LR, DR, master BR. \$75/mo, not incl ht. Mrs. Guanieri, Ext.6-1370.

Unfurn, newly renov. all elec efficiency apt, 401 Broadway, Camb. Avail to sublease now to Aug. ELA-3552 (after 4 p.m.)

5½ rm furn apt, Wtwn between Waverley & Cushing Sqs. LR, DR, K, B, den, 2 BRs, front and back porches, yd to share, garage, oil ht, avail immed. Mr. Todd, HA6-8005.

Unfurn all elec BR apt, Beacon near Hereford, avail Feb. Belvin, Ext. 639 or CO6-5783 (evgs).

Arlington 3 rms and B, incl all utils, 2 min from bus, stores, \$135/mo, furn or unfurn, avail Feb. 1. MI8-0517 (after 4 p.m.)

Furn sunny 5½ rm apt near Porter Sq. to sublet for spring term. \$125/mo. Ext. 3168 (incl evgs).

Furn 2 1/4 rms, ht, lt, gas, knotty pine K, 63 Norton St., Camb, \$80/mo. TR6-0283.

Furn 4-BR apt to sub, Jan. 15-June 1, 15 min walk from MIT, \$125/mo. 87 Third St., Camb. or LO6-6416.

Well-furn, 2 BR apt nice location, near public trans, let for 1 yr by prof leaving on foreign assignment. AL4-6617.

House for sale or rent. Quiet st near Rtes 2, 2A, and 128, Lexington. 1st flr: LR, BR, study, K, B, laundry. 2nd flr: BR, den. Breezeway and garage. Avail Feb. 1. Asking \$17,900. Rental price arranged. Owner, VO2-5096.

Wayland 6 rm, 1½ Bs, brick front split level house on ½ acre lot. LR with fp, DR, both with wall-to-wall carpeting, lg basement, garage. \$19,900. OL3-6912.

House for rent Feb 1-Sept 1, spacious 9-rms, comp furn, 5 BRs, 2 Bs, washer, drier, dish-washer, 2-car garage, children permitted, exc neighborhood, West Newton. \$200/mo plus utils. WO9-8052.

Wanted: '48-'54 Ford, Plymouth or Chevy 4-dr sedan, std shift, top shape. CY8-6508 (after 6.)

Wanted: instruction in folk guitar. Peter, MI8-9326.

Girl Wanted to share house with 5 others over 25, near Hvd Sq., own BR, \$45/mo. UN4-2026 (evgs).

Nurse looking for rmmate to share mod 2½ rm apt, Beacon Hill, Feb 1. Reas rent, 2 min to MTA. CA7-9020.

Upright piano wanted. LA7-2235.

Wanted: 3rd rmmate, male, for 6 BR, 2 B apt near Hvd Law School, rref in late 20's, \$53.33/mo. G. Malling, Ext. 3220 or EL4-3355.

Wanted: used Port-A Crib or equiv by Feb. 1. Mrs. Holland, UN4-4732.

Need good home: 2 beautiful tiger kittens, 4 mos, healthy, housebroken. TR6-7373.

Wanted: full size crib, baby furn. Tom Fitzgibbon, Ext. 3551 or IV4-3954.

Wanted: vacuum clnr. Eric Olson, Ext. 2487.

Wanted: '57 Chevy 4-dr, 6 cyl std trans. BE2-0070.

Wanted: intermediate size reflecting telescope for eager teen-age astronomer. Dr. Clark, Ext. 4488.

Wanted: rmmate to share lg mod apt, own BR, few min walk to Hvd Sq. Avail Mar 1. Miss Lee, ELA-3871 (evgs).

Wanted: steamer trunk. David Goodgame, Ext. 512.

Wanted: University spkr system, S-11H, pref mahog, Ed Getchell, Ext.709 or ELA-5878 (evgs).

Wanted: 3rd rmmate (male) to share 2nd flr of priv house, Camb, prefer grad student, \$55/mo. Ext. 628 or UN4-1665 (evgs).

Wanted: rmmate for beautiful mod apt, comp furn, \$45 per person per mo. Rohit Desai, 125 University Rd., Brookline. LO6-8373 (after 6 p.m.)