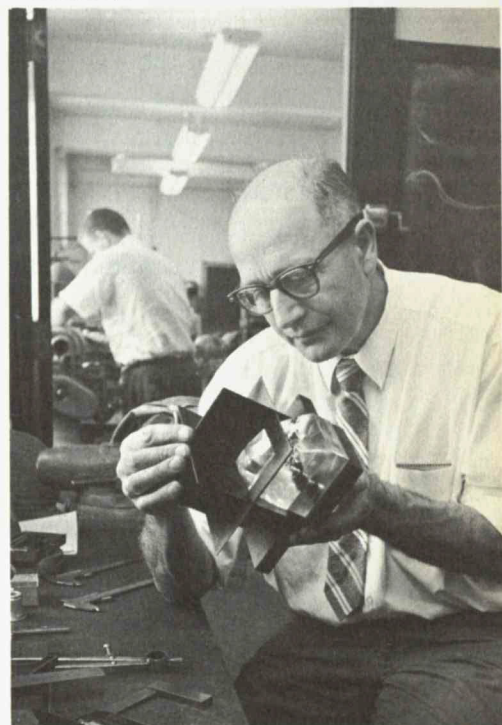




Years ago at Cavendish, photographer caught Bill Henry (far right) watching passersby Sir Lawrence Bragg (left) and Jan Christiaan Smuts.

Photo by Bob Lyon



Bill Henry with model

INSTRUMENTAL

Bill Henry (Mech. Eng.) is the man who has built for Prof. John Chato over a dozen tiny needle-like brain probes, used by Mass. General Hospital surgeons for treatment of muscular disorders. These are only a few of the instruments which he has made in the Division of Mechanical Behavior of Materials, including models for classroom use, and linear extensometers using strain gauge techniques. At the Cavendish Laboratory in England he built the machine which Nobel Prize winner Sir Lawrence Bragg used to demonstrate X-ray techniques.

Bill was one of four instrument makers at the Cavendish Lab who made all equipment for labs and lecture demonstrations. Many of the famous scientists came into their shop. Prof. J. F. C. Searle, (lecturer in optics; administrator for Prof. J. J. Thomson) then in his eighties and retired, often asked Bill to make optical models. On one occasion he asked him if he'd like to take a short stroll. Says Bill, "He nearly killed me that day." They walked 16 miles.

Bill was raised in the small town of Ferry Hill, England, where his father was a miner. Their home, he recalls, was several hundred years old, made of stone and mortar. After high school Bill started his five-year apprenticeship in instrument making with an engineering company in London. He washed dishes after hours to pay "tuition." Later he became journeyman's apprentice.

In 1937 Bill went to the research division of Pye Limited, a Cambridge electronics firm. Among other projects, he participated in the development of radar equipment. During World War II, the company set up 185 ft. towers for scanning parabolas. One was cantilevered from the roof of the Imperial Institute. The dome of the building was 300 ft. above ground, and Bill had the job of making adjustments on the radar apparatus. To reach it, he crawled through a window in the dome and out across the horizontal beam supporting the tower.

He went to the Cavendish Lab at Cambridge University in 1944. In addition to his work, he was a special constable and member of the National Guard; also president of the swimming club which met in the River Cam. Bill and his family came to the States in 1955, and he began

working at the Institute that same year. He and his wife live in Holbrook, Mass. They have three sons, one a sophomore at Boston University.

SORRY, WRONG EXIT

As a hole grows deeper for the Life Sciences Building, this warning to one and all. During construction, the east exit of Bldg. 16 (swimming pool end) will be slated for emergency use only. General traffic should be from the elevator lobby at the west end of Bldg. 16.

Consider the plight of anyone using the usual exit. Once out-of-doors, he would find himself between the enclosed excavation and Bldg. 16. And he'd have to climb the fence to get out.

BARGAIN BOOKS

Once again the MIT Press is offering a limited number of publications at a 60% discount to the Institute community. The books, slightly damaged through shipping, cover a wide range of subjects; among them: planning, engineering, humanities, system theory, science and social science. People who are interested may telephone Mrs. Barbara Silvera at Ext. 5251, or hike over to the new Press offices in the Kendall Square Building, Rm. 307, 238 Main St.

TO INTRODUCE JEANE MURPHY

This fall the Medical Department has added social work to the services it offers the MIT Family. Miss Jeane Murphy, professor of social work at the Boston University School of Social Work, has taken a year's leave of absence from her position and will be with the Medical Department on a full-time basis.

Miss Murphy has had many years of experience both in the teaching and practice of social work, beginning as a rural social worker in the Midwest during the Depression. She came East to the Smith College School of Social Work for her master's degree. At the Family Service Agency of Boston she did family case work. Later, at the Judge Baker Guidance Center, she worked with children and their parents. In 1945 she joined the B.U. faculty. She also had a faculty appointment at the Simmons College School of Social Work, and was a research assistant at the Harvard School of Public Health. In 1955 she did advanced study at the N.Y. School of Social Work, Columbia University.

Last year Miss Murphy was at MIT one day a week. This year she is available on a full-time basis to all members of the Institute family to offer guidance and consultation on more effective ways of handling difficult personal and social situations. She does not consider herself a person who can give people "the answer" to their problems. Rather she believes deeply in the capacity of people to cope with their problems, if the right person is there to help them consider the problems more clearly, and to find alternative ways of arriving at solutions. Her wide knowledge of social agencies in Greater Boston will enable MIT people to use these resources, when needed, more easily and effectively.

As Jeane Murphy gets to know MIT, she finds it increasingly interesting. She definitely enjoys her new environment. But her biggest change of scene by far was in August, 1962, when she was one of three Americans invited by the Ministry of Labor and Social Welfare in Ghana to the First Conference on Social Welfare of West African Countries.



TT Photo by Bob Lyon

Jeane Murphy

At present Miss Murphy is in Rm. 11-208A; her extension is 2915.

MITFL

The MIT Fiscal League is a sizeable bowling club of 10 teams and 50 members. Says president Dick May, the group represents Accounting, Payroll and Bursar's Offices, plus the Magnet Lab, Personnel and Purchasing. They bowl Mondays, Sept. 9-April 20, in the Central Square Bowl-Haven alleys.

About 20 of these team members will receive trophies at the club's banquet in May: Gutter Brats -- Leo Green, Esther Higginbotham, Tony Santagate, Charlie Tardivo, Joanne Vecchio; Pinheads -- Ed Cox, Ruth Reid, Carol Ring, Pete Rogers, Evelyn Wiggin; Alley Cats -- Bob Coffill, Dottie Hughes,

Betty Jones, Frank McGrory, Wayne Magee; Hi-Lows -- Ralph Anderson, Carol Gilberto, Dick Hodgson, Olive Libitz, Lee Medeiros; Strikers -- Jean Banks, Jack Lavelle, Jack Leonard, Oliver Merrow, Nancy Zizzo; Alley Gators -- Ann Gorrasi, Jim Grayson, Irene Hulme, John Rogers, Joan Stryker; Eightballs -- Frank Conroy, John Little, Dick May, Beth Magee, Joanne Santore; Ninety-Niners -- Ruth Dawson, Hank Leonard, Louise Lima, Andy Rempis, June Rondeau; Goofballs -- Julie Ashe, Ken Campbell, Dick Forsythe, Elaine Petrino, Madeline Quinn; Tenpins -- Dolores Argiro, Ray Chamberlain, Bill Duggan, Carol Greenwood and John Vasel.



Bowlers (left to right) Dick Hodgson, Elaine Petrino, Dick May

MTA EXPERIMENTAL ROUTE

Underway since June 24 has been the MTA bus route from North Station to MIT. Outbound from North Station, buses run from Nashua St. at Causeway across Longfellow Bridge, then on Main St. to Vassar St. Stops include: Registry of Motor Vehicles Bldg. (100 Nashua St.), Charles St. at Charles River Park Apts. and Mass. Gen. Hospital, Charles Circle entrance to Longfellow Bridge, on Main St. at Mem. Drive, Kendall Sq. Station, and on Vassar St. at Bldgs. 48, 46 and 41 as indicated by orange bands painted on the street light standards. The route then continues on Mass. Ave. to the end of the line at Main St. Return run is made on Main St. and then across Longfellow Bridge to North Station.

Buses run Mondays and Fridays from 7 a.m. to 7 p.m. The interval between buses is 10 minutes from 7:30 to 9 a.m. and from 4:30 to 6 p.m. At other times it's every 15 minutes. Fare is ten cents.

UNITED FUND -- CITIZENSHIP

Although non-profit educational institutions are exempt from taxation, MIT voluntarily makes a substantial payment every year to the City of Cambridge, in recognition of the many Cambridge services and facilities from which the Institute benefits -- fire and police protection, street paving and lighting, and many other advantages, both obvious and intangible.

Similarly everyone living and working in Metropolitan Boston benefits from services supported not by taxes but by the United Fund. It is to our advantage to have world-famous hospitals with their doctors and medical research centered in Boston. Our environment is safer and pleasanter when juveniles receive guidance, the ill who cannot afford doctors receive care, and so on. These are just several of the services toward which we can voluntarily contribute.

Have you made your pledge to the United Fund?

FOR SALE ETC.

- '63 Shasta 16' travel trailer, self cont, fully equipped, prac new, \$200 below orig cost. 862-6032.
- Danish mod chair, walnut arms, white uphol, very good cond, \$20 or best offer. Ext 191 or LO6-6176.
- Single BR set, 4 pieces furn, mod style, good cond, BE2-5752 evgs.
- K tble, bureau, DR tble, end tble, chaise lounge, chairs, etc. M. Wilkes, ext 5843 or 491-1012 evgs.
- Girl's bicycle, \$13. TR6-6167.
- Desk, \$12; bureau, \$10; woman's ice skates, \$12. H. Goodman, ext 710 or UN4-5447.
- Used Holton trombone, collegiate mod, slide slightly damaged, best offer. Bill Bausha, ext 391 Linc.
- Physics, economics texts, exc cond; Puritan mod F-40, new bulbs, 6 filters, \$10. 547-3930.
- Dble sleeper couch, \$50; Collaro manual turntable, GE cart, \$15; Heathkit pre-amp, wa-p2, \$25; Heathkit FM-3A tuner, \$20; Aristocrat folder horn enc, Wharfedale spkr, \$45 or all plus cab, \$100. VO2-8047.
- Car top luggage rack, for standard size car, \$10. Eglinton, ext 5442.
- 2 women's cashmere coats, navy, beige, 12-14, \$25 ea; sterling silver and plate pieces, some pewter, all reas prices, WA6-0122.
- Boy's 24" bicycle, 2 yrs old, red & white, \$20 or best offer. L. Ricardi, ext 7331 Linc.
- 4 burner gas range, \$25; men's lightweight bicycle, \$20. 533-7245 Medway.
- Maple bookcase, 37" x 37", 3 shelves, \$15. Ext 3883.
- Mod F Nikon F1.4 camera with hood, integral meter, UV filter, case, Nikkor telephoto, 135mm lens, \$250 (retail price \$630). Ext 3873.
- Bundy B flat clarinet, exc cond, case and music stand inc. \$50, cost \$130 new. Ext 4529.
- Free Kittens, 8 wks old, all colors of the rainbow. Lui, ext 292 or VO2-7712.
- 308 Win, mod 100, scope, sling, extra clip, case, \$140. Jack, ext 30-338.
- Saab oil, spare parts, bed kit, snow tires. Curtis, ext 4991 or 484-7006 evgs.
- Glenwood gas range, 36", best offer. FA5-9236.
- 14' Fiberglass boat, deck, windshield, '62 Gale-25 hp eng; elec starter, steer controls, railer, water skis, life preserver, 6 hrs on eng, \$750. Jim Ussailis, ext 347 Linc.
- Sectional sofa, cocoa brown, blk and gold, foam cushions, exc cond. Apt 606, Westgate.
- 12" Bendix TV, \$15; 100-yr old walnut shelf, \$35; end tble, \$3, misc lamps. Bill Clark, EL4-0131.
- Lg wardrobe trunk, 3 x 6 1/4' high, 2 x 3 1/4' wide, 2 x 1/4' deep. AL4-4996.
- Pking sticker for Tech Sq, like to trade for Sloan sticker; 2 Viking tape record preamp-amps with lg VU meters, \$40 ea. Benton, ext 5841.
- Smith Corona port typewriter, good cond, \$35. WA4-9105 after 6:30.
- 36" gas range, exc cond; 4 folding hwdwood director's chairs, \$7.50 ea, baby crib bumpers, gate. 926-0874.
- Frigidaire elec stove, exc cond, \$85. LA7-2252.
- Bunk beds, 2 bureaus, crib, best offer. Dan Moulton, ext 30-232.
- Brown Mouton coat, exc cond, 16-18, \$35. Terry, ext 3323.
- Brewster (Chickering) baby grand piano in good cond, \$250. Angela, ext 3816.
- Kay steel guitar, case, exc cond, \$50 or best offer. Francie, ext 3244.
- Formals, knits, sweaters, skirts, etc, 10-12; man's overcoat, raincoat, 40; VM tape rcdr; lamp; tble; Currier & Ives dishes; rowing exercise mach; drapes, spreads, all reasonable. M13-0094.
- 2 snow tires, exc cond, 7.10-15, Merchants Bonded Treads, ww's, used 1 winter, \$15. Pat, ext 2297.
- GE steam and dry iron, new, \$10; pair 6 x 30 Zeiss binoculars, best offer. Robin, ext 4015 or PM, 277-1192.
- Pickering 190-D tone arm, exc cond, \$10. L. Swain, ext 2140.
- Bed, cupboards, lamps, desk, chairs, lamptble, fp. Moving, must sell. Gus Haas, 566-1296 evgs.
- Poodle puppies for sale, std size, make lovable pets, paper trained, shots. PA9-0584.
- Höfner guitar, imp from Denmark, new, valued at \$500, best offer over \$300. B14-0862.
- Make offer: IRE transactions PGED, July '59-May '62 and/or PGAP, Jan. '56-July '63. Jim, ext 2573.
- Porcelain space htr, cooking stove, 2 burner, range oil w/stovepipes, \$60; pot burner heats 5 rms, range oils, \$60; Westinghouse 2 burner hot plate with 3 position heat controls, \$15. R. DiGrazia, ext 2864.
- 1st editions: Pope (Homer's Iliad 1714), Scott (10 vols), Carlyle, Newman (Apologia), Kipling, O'Casey (The Plough and the Stars). 646-8215.
- Frig refrig, \$40; maple dble bkcase bed, \$25; box spring mattress for dbl bed, \$20; walnut chiffonier, \$15; maple chest, \$8; glass topped tea wagon, \$3; sm slipper chair, \$3; flr lamps, \$2, chrs, \$2. TR6-8516.
- Ham gear: Viking II trans, \$10; Heathkit sig gen, \$10, SWR meter, \$10, TV sweep gen, \$15; Knight capacitor checker, \$10; Coax relay, \$3; Coax switch, \$2, crystals and keys. Tom King, ext 30-425 or OL3-7652.
- Elec roaster, \$10; sm elec washer, \$20; hot plate, \$3; shovels, \$2; cross-cut saw, \$10; buck saw, \$3; man's cowhide 2-suit, \$15; TV set, \$75; elec space htr, \$15, Funk & Wagnalls unabridged, \$10. 491-0969 evgs.
- '37 Cadillac coupe mod 60, after 22 reliable yrs needs body work and new owner. Ext 321 Linc or 369-9513.
- VW sedan, 16 mos old, \$1,200 or best offer. P. Hill, ext 2466.
- '53 Olds 4-dr sedan, 1 owner, good cond, p brakes/steering, rebuilt auto trans, new starter and exhaust system, \$175. Christi, ext 2295 or 653-8189 evgs.
- '53 2-dr Chevy sedan, best offer. David Baker, ext 30-281.
- '54 Plymouth, \$30 tow away, good mech cond, exc for rod bearing, many new parts. 491-0899 after 1pm
- '54 Chevrolet 2-dr sedan for \$110 or best offer. Hamelore Waechter, ext 104.
- '54 Chevrolet with \$250 new installations and parts. Grad House, ext 9-838.
- '55 Ford, fair cond, best offer. 274-8617.
- '56 Rambler, blk, 4-dr sedan, R&H, std trans, good tires, asking \$150. Ext 4926 or UN8-7982 evgs.
- '56 Jaguar XK140 MC white convert, 5 wire wheels. William Rose, KI7-0482 after 5.
- '56 Buick Roadmaster, exc cond, asking \$450. HU3-6756.
- '56 MGA, R&H, very good cond. Jane Albano, ext 3501.
- '56 Plymouth V-8 hydromatic, p steering, R, exc eng, \$400 or best. Dick Solomon, ext 5280.
- '57 Buick Century 4-dr hdtop, exc cond, \$425. H. Ferris, ext 5491.
- '57 Chevy V-8 2-dr, auto trans, R&H, exc cond, \$625. G. Stuckey, ext 4200.
- '57 blk and white Ford, retrac hdtop, wws, R&H, exc mech cond, \$400. Frank Osha, KI7-4693.
- '57 Ford ranch wagon with rebuilt eng, good cond, \$400. UN4-0707.
- '56 Chev, '58 Renault, any decent price. 354-6122.
- '58 TR-3, w wheels, tonneau cover, \$775. Adrian Brown, ext 7262 Linc.
- '58 Plymouth 6-cyl, std shift, very good cond, R. Lavoie, ext 3674.
- '58 Rambler custom a-1 cond, R&H, new tires and battery, \$395. Ext 3971.
- '58 Corvette, fully equipped, \$1,600. John Blizzard, ext 2114.
- '58 Mercury Monterey, 4-dr sedan, exc cond. 868-6157 after 6.
- '58 VW sedan, R&H, ww's, seat belts, \$795. Dick Hutson, ext 3928 or M13-3913.
- '58 Volvo 2-dr, 4-spd trans, dual carbs, snow tires, ski rack, \$595 or best. Kauffman, DE2-3894.
- '58 Ford Custom, blk and white, 4-dr, auto trans, good cond, must sell, best offer. Marie Costello, X 4817.
- '59 Plymouth wagon, good cond, ideal for 9 people and camping gear, better than average cond, asking \$475. Ext 2467 or CE5-1350.
- '59 Hillman Husky station wagon, 12,000 mi, exc cond, R&H, \$475. Mary Pinson, ext 2829.
- '59 Austin Healy 100-6 deluxe roadster, reasonable. Zeiders, ext 5602.
- '59 Ford ranch wagon, 8 cyl autom, exc cond, \$750. J. Donegan, ext 5491.
- '60 Chevy Bel-Aire 2-dr 283, V-8, power glide, R&H, 4 new ww's, \$1,300. Dave, 245-6400(8:30-6.)
- '60 Fiat 600 sedan, good cond, \$300 or best offer. Bob Roig, ext 2796.
- '60 Mercedes, blk, 220-S, exc cond, \$2,200. W. Patterson, ext 30-368.
- '60 VW with R&H, \$1,000. UN4-5425 evgs.
- '60 Porsche cabriolet 1600, green, \$1,600. J. Drake, ext 5816.
- '61 Corvair Monza, white, low mi, auto trans, R&H, exc cond, clean, Ext 30-298.
- '61 Corvair Monza, fawn beige color, 4 spd, R, new battery, good tires. Mory Bergmeyer, 491-2599.
- '61 Fiat 600, exc cond (Reactor pking lot), \$550. Knotts, ext 4215.
- '62 TR-3, seat belts, tonneau, new Delco batt, \$1,800 or best offer. Bob, ext 7408 Linc.
- '62 Chevy Parkwood wagon, 38,000 mi, 1 owner, \$1,200. 332-9552 after 5:30.
- '62 VW, red, sun roof, \$1,400. Ext 272 Linc.
- '62 Tempest Le Mans, burgandy w/blk, bucket seats, 4 cyl, 4 spd, std trans, R&H, \$1,695. 438-4157.
- '62 Chevy 4-dr Bel Aire sedan, p steering, trans R, H, hydro, exc value \$1,595. Rose, ext 2566 a.m.'s.
- '62 Ford Galaxy sunliner convert, blk/red, 8 cyl auto trans, low mi, exc cond, \$2,700. ext 159 Linc.
- '62 Morgan plus 4, BRG, fully equipped, custom made alum hdtop for winter. Best offer over \$2,000. M. Feld, 547-5650.
- Bedford 4-rm apt, 2 BRs, LR, K, fenced yd, comb alum windows, easily acc to Rte. 128, \$110/mo unfurn. 274-0286 evgs or Ext 403 Linc.
- Albion 3-rm apt, new, mod K, refrig, gas incl, 10 min from MIT, some furn. Ext 5556 or AL4-1332.
- Old Marblehead 2 BR apt, \$110/mo unfurn. Mr. Nathan, ext 820 or CR4-8250.
- Apt avail Nov 1, 3 rms, furn, htd, 10 min from MIT. Peggy Donohue, ext 2367.
- In Burlington -- Garrison Colonial, 3 BRs, LR, DR, K, 1 1/2 B's, large glass and screened porch with jalousied windows; alum comb windows. Call Bunny, ext 2698 or BR2-2281 evgs.
- Acton 4 BR ctr ent Col, 1 1/2 Bs, fenced cellar, playrm with fp, 3/4 acre lot, \$28,500. Ext 3378 or CO3-5898.
- Billerica 2 BR ranch, lg mod cab K, forced hw by oil ht, alum comb windows and drs, 15,000 sq ft landscaped lot, attach enc porch, carport, patio, playrm, laundryrm, FHA approved, \$16,900. X 4075or 663-4854.
- Ranch house, Braintree Highlands, 7 rms, attach garage, fully landscaped, 65' patio on lg corner lot, 2 1/2 Bs, low 20's. V13-3922.
- 18 mo lease avail Jan '64 -- 7-rm unfurn split level, Lexington, 1 1/2 Bs, gar, basement, fam rm, air cond, ww carp, drapes, dishwasher, garb disposal, \$250/mo. Owner, 862-5627.
- Wanted: 2 BR apt for young couple with children, pref duplex, Arlington, Belmont, Watertown area, will consider 3 BR apt. W. Noz, M18-8280.
- Wanted: reas price range -- std typewriter, 8 mm projector. 491-4680 after 6.
- Wanted: working girl to share spacious 4-rm apt, Back Bay, reas rent, attrac furn. 742-1207 evgs.
- Wanted: male rmmate, lg house in Arlington, priv BR, \$55/mo. Dave Shearer, ext 5433.
- Wanted: ride from North Easton to MIT, 9-5, Mon-Fri, Joyce Fusaro, ext 4591.
- Wanted: inexpensive dining room table. Pete Bennett, ext 4051.
- Wanted: tech journals: Phys Rev., Rev. Mod. Phys, & ACM. 547-3930 evgs.
- Wanted: ride to and from MIT from Wakefield, 9-5, Mon-Fri. Betty, Ext 155.
- Wanted: bagpipe. 581-1745.
- Wanted: sm car '57-'59, VW or ?; \$600-\$900. C. Jobs, Ext 5519 Linc.
- Wanted: male rmmate to share lg apt, Arlington with 2 others. Ext 2113, 2171 or 646-7290 evgs.
- Wanted: rmmate to share 4-rm furn apt with other girl in Camb, own rm. Marie, Ext 4850 or TR6-1291 evgs.
- Wanted: typing. Rita, ext 3804.
- Wanted: sun lamp. Jane, ext 3921.
- Wanted: anyone interested in playing hockey, Wed nights 10:15-11:45, Taber Rink, Needham. For info contact Wm. MacLachlan, ext 281, Bedford Flight Facility.
- Rmmate wanted, 3 BR, 3 man apt, Beacon near Mass. Ave., \$50/mo. John Welch, ext 2595 or 267-5931.
- Wanted: small furn house or apt for 2nd semester. Will care faithfully for antiques, cat or garden. Roland Robinson, ext 158.
- Wanted: '61, '62, '63 Chevy, Ford or Pontiac compact car, good cond, Marci, ext 5495 or NE1-0137 evgs
- Lost: black and gold Universal Geneva watch, vicinity of swimming pool. T. F. Power, ext 3544.
- Found: engagement ring in Instrumentation, W-7. Bob, ext 30-232 and identify.