

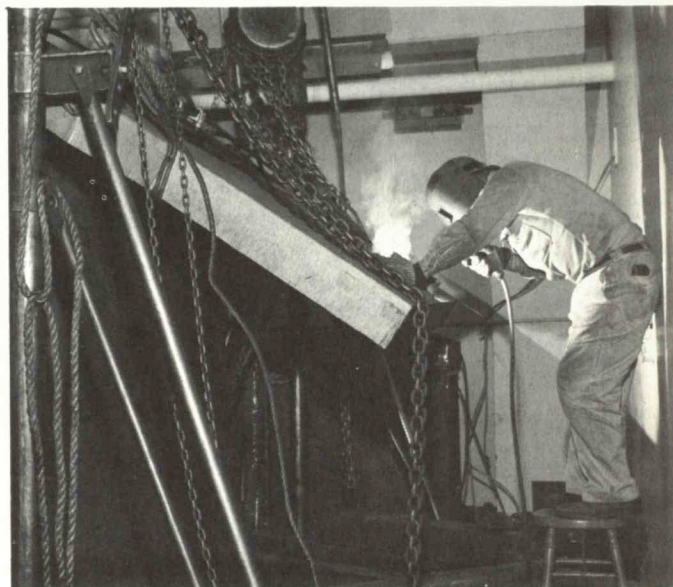
NEW IRONSIDES

The latest addition to the Radioactivity Center in the Physics Department is a room, not much bigger than a closet, the walls and ceiling of which together tip the scales at 40 tons.

Made entirely out of 6-inch battleship-style armour plate donated by the Navy, the 5x8 foot room will be used to study radioactivity in human beings, as well as materials, at unusually low levels. This thanks to the armour plate, whose function it is to cut off all the natural sources of radioactivity (earth, air, etc.) that anyone wandering around indoors or out is otherwise exposed to.

Located in the basement of Building 2, the structure is the fifth so-called "radiation control room" in the country. Careful planning placed each of its four, fat corners directly over a wooden pile -- upon a tight network of which all of MIT's main buildings rest. Since each pile is supposed to be capable of bearing a ten-ton load, the engineers (Norman Rasmussen, Nuclear Engineering, and Joel Bulkley, DSR) who designed the structure decided no extra support would be needed under the cement floor. "If it does ever start down," one onlooker remarked, "that room will never stop."

Enter 7 tons of wall



Welder works on ceiling

Contractors for the job was the firm of Shaughnessy and Ahern. Not only did they maneuver the monster materials down a small flight of stairs, but with the help of a 12-foot gantry and some fancy trussing with steel chains and cables, they hoisted the 7½-ton ceiling into place almost as casually as if they were hauling up a piece of plastic. All seams were welded to make them completely air-tight. The room now waits its first cargo of man or matter for a half-hour term of solitary confinement in the sturdiest structure on campus.

HERE AND THERE

When the new MITRE Corporation was announced last month, one local paper reported that "MIT will be supplying vices to the Air Force." Omitted from this line of supply: the syllable "ser".

As of August 4, a cumulative tally in the voting machines of one American exhibit at the Brussels World's Fair gave these answers to the question, "To what college or university in the U.S. would you prefer to send your son?": Harvard, 17,352; MIT, 8,387; Chicago, 7,169; Columbia, 6,966; Yale, 5,931; Princeton, 5,199.

MIT makes indirect news. Robert Ruark, writing in the Springfield Union about potential bugs in modern appliances, reports that he and his wife have regressed to old-fashioned ice-boxes ("a power of comfort when the powerline breaks"), hand-cranked ice cream ("you would be surprised how many visiting sophisticates clamor for the right to crank the thing for the privilege of licking the dasher"), can opener ("I cannot figure out these new jobs that need a copilot to get at the beans"), and lawnmower ("the necessity of hiring an MIT graduate to keep the four-motor job airborne was too demanding on the expense account").

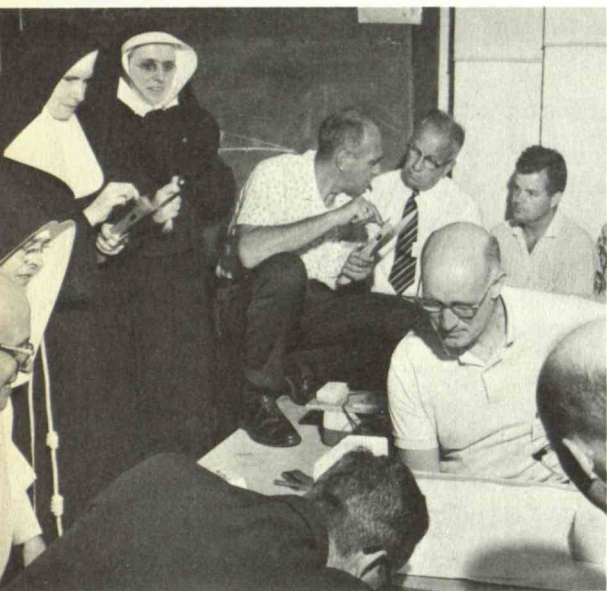
Omitted from an earlier listing: Profs. Martin Deutsch and Sanborn Brown (both Physics) are also in Geneva this week attending the International Conference on Peaceful Uses of Atomic Energy. Prof. Deutsch is showing an exhibit of a positronium experiment developed at Brookhaven, Prof. Brown giving an address on "Microwave Studies of Gas Discharge Plasmas."

Entrance exams for the Lowell Institute School (admission by examination only -- anyone welcome to try) will be held on the evenings of September 15, 17 and 19. Exam registration is at 7 p.m. on September 15, the opening of school on September 29.

The deep-cut lettering above the main MIT entrance on Mass. Avenue is clear enough when you stand right underneath it. When the Math Society held meetings in the Auditorium two weeks ago, one out-of-towner was heard to remark to his wife, as he pointed out spots of interest from Kresge lobby, "And that (main buildings) is the William Barton Rogers Foundry."

A PHYSIC FOR PHYSICS TEACHING

Among the other groups buzzing around campus lately with white name tags clipped to their lapels have been 60 high school teachers (30 from Greater Boston, 30 from other metropolitan areas) who came to MIT to learn about the Physical Science Study Committee's new approach to the teaching of physics. Teachers returned last weekend to their respective schools armed with up-dated concepts of what to teach (texts) and how to teach it (PSSC-designed lab apparatus for experiments, educational movies, plus general classroom strategy). This brings the number of schools that will be teaching the PSSC method this year to almost 300. For the local teachers using it, special institutes are also being planned (Boston College and Tufts) for continuing "in-service training" during the school year.



TO WATCH A BIG WARD

One night they were called to the scene by a man "who thought he'd been hit by Sputnik the 13th," Captain Sidney of the MIT Security Police reports. The victim was the night watchman on duty in the main lobby who, at the darkly quiet hour of 3 a.m., was getting kind of sleepy when a cherry bomb, planted by student night owls, exploded practically in his ear.

September 1 marks the first anniversary of MIT's new campus police. The experiment is already a proven success. Numbering 20 men (9 retired service personnel, 6 with police ex-



Wm. McLemore keeps an eye on main lot

perience, two currently going to college in their spare time), the MIT Security Force in its first year of duty has won wide respect among the 13,000 members -- from freshmen to deans -- of MIT's ever-expanding community.

According to Harvey Burstein, Security Officer, the force was set up "to give MIT a police unit of its own that could render maximum service and protection to the Institute and to the community." The Security Police have been increasingly in both areas. Beside the problem of parking and traffic the annual scoreboard shows ~~194~~ "general complaints" (problers, wild dogs, etc.), ~~429~~ investigations (fire, theft), 36 apprehensions (bike lifters and others), and \$11,325 worth of lost or stolen property re-

covered (including, during one typical period, "one umbrella, one wallet, one lady's purse and camera flash bulb kit, and one pair of snow chains"). In addition, the MIT ambulance has been used on 20 occasions ("Cage to Mass. General," etc.).

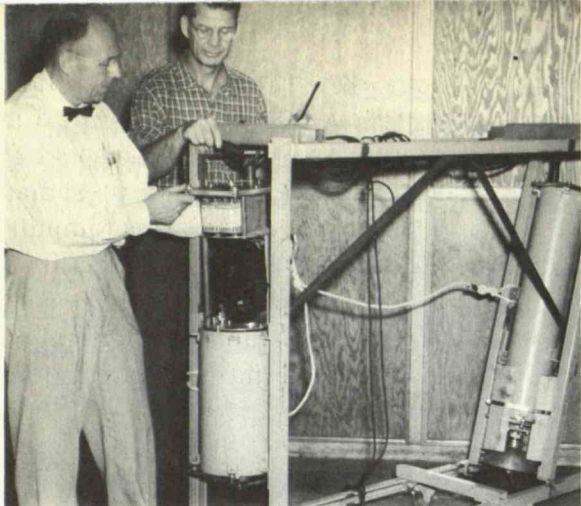
Beyond the numerical tally of activities, the MIT Police have been called upon for a multitude of unexpected details. They have nipped brewing student disturbances in the bud -- not by wielding blackjacks, but by virtue of firmly established friendships and mutual cooperation. They have averaged 41 miles per eight-hour shift to give MIT excellent patrol coverage around the clock. They have put in overtime for such occasions as valuable missile exhibits and the visit of Russian school editors last spring. They have answered fire calls (overflow of paraffin in a baking oven in Building 26) and helped with auto accidents on Memorial Drive. They have tracked down shrubbery thefts from the President's House, intercepted drivers operating under the influence, recovered six stolen cars dumped on campus, apprehended auto thieves operating in the Barta Building lot, and solved "the mysterious deposit of a valuable statuette on the doorstep of one of the fraternity houses." Having recently completed the advanced Red Cross first aid course, they are now even more qualified to deal with accidents.

Handling the organizational end of this varied program is a man with long experience in the preventive arts. Before coming to MIT, Harvey Burstein was an FBI agent for 5 years, Chief of Investigations and Physical Security for the State Department, and consultant to the Hospital Department of the City of Boston for matters involving medical security. Recently he has been invited to speak as university representative at the 1958 Convention of the American Society for Industrial Security. One of Burstein's MIT themes: "Sixty per cent of the larcenies reported around here could be avoided if people were more careful."

Captain Sidney, head of the MIT police crew, agrees. A member of the State Police for 32 years, the Captain covered a lot of ground as Captain and Division Inspector for the Massachusetts State Police. At MIT, he reports, the biggest headache is parking, the most popular assignment, covering a Club Latino dance. Captain Sidney adds that the ambulance has been called for a few false alarms by expectant mothers. "The women, God bless 'em, get kind of panicky," he says warmly.



Sgt. Driscoll chats with patrolman Witherell



Edgerton (left) and MacRoberts (right)

SPLASH

From the "Strobe boys" in Bldg. 20 has recently come the Lab's first deep-sea movie camera. Camera itself is a Bell & Howell model modified to hold 400-foot reels. Prof. Harold Edgerton and Technician Bill MacRoberts built the special casing for it and hitched on a strobe light, which has been synchronized with the shutter to flash 20 times per second. The camera can be used at a maximum depth of one mile, is currently en route to the Mediterranean with Mr. Edgerton for a christening aboard Jacques Cousteau's famous Calypso.

FOR SALE ETC.

AR-1 mahog. speaker system, Janszen mahog. electrostatic tweeter, \$135 each. T. Harrison, UN8-7340.

Kodak 16 mm projector, used twice. Orig. price \$139. BE2-0747.

Accordion. 120 bass, 4 shifts, used 5 mos, \$225. D. H. Avery, Ext. 3246 or UN4-8522.

Elkhart trumpet by Buescher, carrying case & stand included. Practically new, price reasonable. Marilyn, Ext. 2375.

Flute in good-as-new cond., scarcely ever played. Arnold. Peggy Robinson, Ext. 3370.

Returning to England, must sell furniture: tables, chairs, arm chairs, chests of drawers, lamps, book case, \$2-\$10. Double bed, foam mattress \$105. Carpet. Stephen Montgomery, Ext. 2486.

Baby's crib, very good cond. Also floor lamp, brand new paint sprayer. Mrs. Zwerdling, IV4-8131.

Maple student desk. 7 drawers, hard finish, excellent cond, bought at Paine's. Margaret King, ST2-1049.

Dinette with 2 chairs, new, \$30. Mod. coffee table, new, \$15. Kenmore elec. heaters (2), orig. \$25, used 1 winter, now \$15 each. Mr. Newman, AL4-3495.

Westinghouse elec. clothes dryer. Used only 3 yrs, just overhauled, \$60 or best offer. Dr. Clark, Ext. 4488.

Oil-fired water heater. New, never used, \$15. Mr. Derry, Ext. 2531.

Oil space heater, flue type w/10" burner. Brown & tan with black trim, excellent cond., suitable for any room, \$15. Tony, Ext. 371 (Lincoln).

For rent: pre-war refrig. in excellent working cond. Owner will deliver & maintain. Will refund rent should reasonable dissatisfaction be apparent. J. Cummings, Ext. 2826.

18" reel Homko mechanical clutch power lawn mower. 4 cycle, 1.6 hp, Briggs' & Stratton gasoline engine, perfect cond., 1 yr old. \$65. F. Sheff, Ext. 493 (Lincoln).

Sloop rigged sailboat. 24' x 7½', 12 hp auxilliary inboard engine, sleeps 4, excellent cond. \$2800 or best offer. DE2-2879 between 4 & 9 p.m.

Wood-framed picture window, 71 x 47½", with double-hung side windows. Ideal for remodelling or for a summer home. \$25. Mrs. Benedict, CE 5-1151.

Loam. \$2.50/yd, 10 yds minimum load. Erik Fredrickson, BR2-3369.

Choice glads for sale. \$1/doz. Ext. 2522.

H.O. railroad equipment. Some good, some not, would like offer. Shortie, Ext. 4150 or 4154.

'52 Morris Minor. Good cond, \$450 or best offer. Kenneth Gillis, Ext. 3300 or CO6-1514.

'53 98 Olds 4 dr sedan. Black, tinted glass, hydramatic, power brakes, in very good cond. Hilltop 3-6156 (So. Sudbury).

Leaving country. '53 Chevrolet, 36,000 miles, excellent cond., 4 dr. \$475 or best offer. Olof Soderberg, Ext. 2488.

'55 Austin Healey roadster. White, black leather. \$1,575, will haggle. John Hursh, Ext. 3584 or Highland 4-7445.

'55 Ford Fairlane convertible. Waterfall blue, a real buy. Jay Herschfield, Ext. 2559.

'55 Olds Super 88 4 dr. R&H, power brakes, 36000 miles, good cond., \$1495. Don Allen, Ext. 2601 or FA3-6769.

'55 Volkswagen. Beige with red upholstery, R&H, brakes relined, excellent cond., 38,000 miles. \$1,150. Spud, Ext. 4150 or VO2-2542.

'56 Ford Victoria, 2-dr hardtop. Fordomatic V-8, snow tires, clean, blue, excellent cond. Robert Geller, Ext. 3567.

'57 Ford Country 4-dr sedan. Power steering & brakes, Fordomatic, R&H, 13,000 miles. \$2000 or best offer. Jamaica 4-2378 (after 5 p.m.).

Charming 1-rm apt on Beacon Hill. Mod. elec. pullman K, tile B & shower, fp. \$75/mo. Avail Oct. 1. CA7-6294 (after 6:30 & weekends).

2 lg sunny rooms. \$45/mo each. Occupants share LR, DR & K on cooperative basis with 3 others. 5 dinners/wk, get breakfast on your own, food cost shared on non-profit basis according to no of meals eaten. Apt 3, 33 Lexington Ave., quiet residential section of Camb., 3 min. from MTA. Internat'l students esp. welcome. KI 7-0532 (afternoons & evgs).

Furn apt for rent, Arlington. 3 rms, overlooking Spy Pond, private entrance, all conveniences. \$150/mo incld. utils. Mrs. Carey, MI3-1208.

6-rm apt in Quincy. 3 BRs, sun porch. \$80/mo. Charles Giglio, 17 Union Street, Quincy, Mass., GR2-1461.

Unfurn apt for rent in West Newton. 3rd floor of private home, 2 rms plus K'ette & B. \$75/mo, heat and utils incl. L. D. Kaplan, Ext. 2450 or DE2-6862.

Apt for rent, Arlington. 7 rms, 1½ baths, 2nd flr, sep entrance, mod. cab. K with stove. \$90/mo. Mr. Dolloff, MI8-1620 (after 6 p.m.).

Roomy Jamaica Plain apt, unfurn. \$50/mo. Ext. 3101 or JA2-8401 (after 5p.m.).

House for immediate sale, Belmont-Watertown line. 4 BRs, lg study, fully tiled B, LR, DR, mahogany-panelled den, mod. elec. K -- 24 birch cabinets, lg garage. Reasonably priced. Mrs. Solomon Zwerdling, IV4-8131.

6-rm Cape for sale. Finished basement, 6 mos old, beautifully landscaped, fenced-in lot. Near Rte. 128, 5 mins. drive from Center. Town sewerage, garbage collection. Asking \$18,000. David Keren, VO2-7835.

House for sale, Westwood. 6-rm Dutch Colonial, LR, DR, K, 3 BRs, garage. Nicely landscaped lot, excellent location near bus line, schools, shopping. \$14,500. Joseph Carr, DAVIS 6-5154.

Escape from urban tempo and confinement. Enjoy the pastoral pleasures of country living. Choose from several large building sites located in Andover adjacent to state forest. Reasonably priced. William Markey, Ext. 4408 or GR5-3744 (evgs).

Wanted to rent: Furn. 2-BR apt, from Sept. 1 through Feb. 1. Cambridge or Brookline preferred. Will pay up to \$150/mo unheated or \$175/mo heated. Alan Stenning, Ext. 586.

Will pay \$400 for any Rambler in good cond. Tom Stimson, Ext. 806 (Lincoln).

Wanted: one girl to share very mod. spacious 3-rm furn apt at corner of Commonwealth & Mass. Immediate occupancy. Ann, CO7-8453 (after 6 p.m.).

MIT secretary would like to share apt with 1 or 2 other girls. Carol, Ext. 2518.

Wanted: good used motor scooter. R. Morey, Ext. 7103 (Lincoln).

Found: a piece of silver jewelry in West parking lot. Claim by leaving description at 1-139, Ext. 2497.