

Busy on the roof

KRESGE'S NEW COVER

The concrete dome over Kresge Auditorium is getting a new cover--this time of lead.

The outer surface of the dome has been giving Physical Plant a hard time ever since Kresge was finished in 1955. The problem is that the dome is subject to a wide variety of expansion and contraction rates because of weather and position of the sun.

The structural concrete shell itself gave no trouble. But six months after the building was finished, the cinder concrete cap and the original outer coating--made of an acrylic plastic--began to wrinkle and crack. This meant water could seep down and saturate the insulation. A new formula of acrylic plastic was applied and that worked better. But it, too, eventually began to wrinkle and crack.

Physical Plant experts, together with representatives of the architect and the contractor, have been studying the problem and experimenting with new covers since the summer of 1961 and have decided lead sheets are best.

Diamond shaped sheets of lead will be bordered with stainless steel wires attached to steel bolts which, in turn, will be driven into the concrete shell to hold the sheets in place. A lead burner will seal each square so no water seeps in to the concrete.

One advantage of this cover is that lead expansion can be contained within each square. Therefore the squares can be repaired individually. Acoustical engineers say the lead will not impair Kresge's excellent acoustics.

Dick Collins, administrative assistant to Director of Physical Plant Carl M. F.



Climbing Kresge

Peterson, has been MIT's representative on construction of Kresge. Dick pushed the lead idea, and Professor Herbert L. Beckwith, head of MIT's Department of Architecture, was a strong supporter. They were joined by the contractor, George A. Fuller Co. of Boston, and the architectural firm, Eero Saarinen & Associates of Connecticut, which did the work in association with Anderson, Beckwith & Haible of Boston.

The new cover is expected to be finished by Thanksgiving.

FLU SHOTS

The MIT Medical Department is urging that everyone be immunized for influenza as there may be an epidemic. All people with chronic illness, people over fifty and pregnant women are particularly vulnerable and should contact their local family physicians for immunization soon. At present, MIT has only a limited supply of the anti-flu vaccine and it will be used for students.

FATHER AND SON

Among the 79 students who received Ph.D. degrees from MIT at the end of the summer session last month was Bruce Alfred Warren, son of Physics Professor Bertram E. Warren. The younger Warren took his doctoral degree in physical oceanography--the second such degree MIT has ever awarded. His thesis--for which he did research at Woods Hole Oceanographic Institution on Cape Cod--dealt with effects that irregularities in the ocean floor have on the Gulf Stream. His thesis committee invited his father, Professor Warren (an authority on the use of x-rays to study atomic structure of metals and rocks), to attend questioning that followed oral presentation of the thesis.

PARKING

Parking at MIT is a problem. The plain fact is, there are 60 percent more requests for parking permits than the Institute can accommodate in approximately 2,000 spaces. Come winter, the problem will be even more acute when construction begins on the five-story Center for Materials Science and Engineering in the main parking lot. This will end most of the parking there temporarily. Also 170 additional spaces will be lost to the start of construction of a second parking garage at the Vassar Street lot.

At that time, present parking permits will be cancelled and new quotas will be issued to each department (again determined by the size and composition of the department). The number of spaces should remain the same, because MIT has rented space in Technology Square and expanded the Westgate West lot. However, much of this space will be less desirable.

The Institute Parking Committee, headed by Dr. Walter Wrigley, Professor of Instrumentation and Astronautics in the Department of Aeronautics and Astronautics and also Educational Director at Instrumentation Lab, realizes that many people will be inconvenienced by the shuffle. Understanding and cooperation on everyone's part will be needed.

MIT is continuing to work on ways it can improve the parking situation. Plans for a third parking garage are now in the formative stage.

BUSY NIGHTS AHEAD

Nearly twice as many MIT employes are enrolled in Lowell Institute School this fall according to LIS Director, Dr. F. Leroy Foster. 47 MIT employes have begun night classes at the tuition-free school. Last fall there were 26.

LIS, which is conducted by the Lowell Institute Foundation and under the auspices of MIT, offers courses for men working in industry who desire to further their technical education.

16 MIT employes are enrolled in first year Electrical and Mechanical courses. They include: Joseph Roxborough and Edward Weiner, Lab for Nuclear Sciences; Charles Webber, Physical Plant; John Griffin, Edward Greenwood and Harvey Lander, all of RLE; and Edward Dunn, Robert Davidio, William Edins, Edna Jenkins, William Mallory, Kevin Naughton, Mrs. Judith Oliver, Bernard Patten, Jr., Stanley Plackowicz and James Watson all of Instrumentation Lab.

Second year Electrical students include: Marion Munroe, Chemistry; Manuel Silva, Supersonic Lab; and William Allen, August Arns, Henry Baldassarri, Leopold Bevilacqua, Oliver Brandt, Eugene Buchman, Robert Coccia, George Forsa, Dominic Fulginiti and Henry Sawizky, all of Instrumentation Lab.

Mechanical course students in their second year are: William Orphanos, Cryogenics Lab; and IL employes William Buckley, George Diggs and Matti Soikkeli.

Enrolled in LIS supplementary and advanced courses this year are two Lincoln Lab employes, Angelo Funaro and Roger Bollman. Those from IL are Joseph Balonis, Wallis Bean, Louis Bertolami, Emile Boulos, Irwin Kornfeld, Charles Greland, Eugene Sich, Walter Towner, Robert Visser, Robert Wiseman, Vincent DeGeorge, Raymond Quill and Andrew Stewart, Jr.

GIVE

"People Helping People Is The United Fund." Soon this slogan will begin appearing around MIT, for Monday (October 15) is the start of MIT's UF Drive.

Already people are helping people with the final stages of preparation. 1962 campaign coordinator Mrs. Julie McLellan and the girls from the Admissions Office are busy stuffing envelopes which will be distributed to chief solicitors from MIT's five Divisions (Academic, Administrative, DSR laboratories and projects, Instrumentation Lab and Lincoln Lab).

The Greater Boston United Fund needs \$14,000,000 for their health, service and welfare agencies. To help meet that goal, MIT hopes to raise \$74,000. Director of the 1962 Drive is Dr. F. Leroy Foster, who also directs the Division of Sponsored Research in addition to LIS.



"Doc" Foster and Admissions Office girls get ready for start of MIT's UF Drive, Monday (October 15). Girls (l. to r.), Jane Delano, Shirley Hunt, Pat Stapleton and Ramona Shepard.

FOR SALE ETC.

- 2 whitewall tubeless, 6.40x15 Dunlop snow tires, slightly used. Carolyn, ext 3319.
- Chickering (Brewster) baby grand piano in good cond, \$450. Miss Carbone, ext 3816.
- 4-track monaural tape recorder, RCA IYB29 w/6 new tape cartridges. A \$165 value for \$95. Irvine, 6-426 or ext 4502.
- Persian lamb 3/4 coat. Perfectly matched skins, sz 16, \$550 when new. Have outgrown it. Exc cond. \$100. Call Carl, ext 2363.
- "Grundig" TK64 stereo tape recorder, like new, will sell at \$200 w/a few prerecorded tapes.
- "Quality Kit" amp/stereo. 15 watt per channel, built-in preamp, \$25. Call EL4-6572 evgs.
- Vacuum cleaner Jet 99. Nottingham, ext 4815.
- Turntable hysteresis synchronous 4-speed, bass, viscous-damped arm, GE cartridge & preamp. Exc cond, price very reasonable. K17-3930 evgs.
- Four violins ranging in price from \$35 to \$400. With bow & case. Call M. Bent, ext 2250.
- Combination Washer-Dryer (Easy), 220 V, K-type white enamel incinerator (Majestic), 110 V, both delux. E. J. Nathan, ext 3869.
- Female roommate avail to share or look for apt w/1 or 2 other girls. Preferably Brookline area. Call Laurel, ext 2656.
- Black standard poodles, AKC registered, from champion stock. Bred for temperament, intelligence and congeniality as pets. Avail after first (temporary) shots, now nine wks old. Huntington, Lincoln ext 355.
- Ski rack, good cond, \$10. Snow tires, 800x14, Firestone, Town & Country, practically new. \$25. M. Chase, PA9-2719 after 6.
- Norwegian hand-knit pullover & cardigan sweaters, \$28.50. Lg selection of colors & patterns. Made to order or immediate delivery. Ole C. Nord, 491-1475 evgs.
- 34" Caloric gas refrig, baby car bed, playpen, bathinet, scale. Apostolou, 729-2052.
- Hammond Spinnet organ, 2 manuals w/Hammond Solovox attach. Both for \$8.50 cash. D. Sawlor, ext 5461.
- Black marble french antique mantle clock. BE2-0484.
- Dachshunds, long hair, miniature puppies. Call K17-3640 evgs.
- Amateur radio gear--Johnson Viking II trans, \$135; Hallcrafters SX96 dual conversion receiver, \$135; Johnson Viking V.F.O., \$18; Heathkit bar generator (TV), \$20; Heathkit S.W.R. meter & cables, \$20. Thomas King, ext 3977.
- New Wharfedale speakers, 5", 8", 3" and crossover networks also new Garrard 301 turntable. Call F. Selvitelli, ext 3995.
- Classical guitar, \$50. Ext 4992.
- Moving from NYC to Cambridge? Me too! Let's share gas and transport expenses...any weekend. Call Jean Rioux, ext 3636 or 3610.
- 110 Volts D.C.? Convert to 110 A.C.: 400 watt. Jack Nolan, ext 2523.
- Two 2-shelf 30" maple bookcases, \$12 ea. 1 4-shelf 44" oak bookcase, \$5. Mrs. Peters, ext 2748.
- 9x14 Contoura and Constat photo copier, 3 1/4x4 1/4 Victor projector w/12" Wollensak lens, tank vacuum sweeper, gas range, Vespa sidecar. Call EL4-5024 after 6.
- Chickering grand piano, like new, built by manufacturers of the Steinway pianos, \$750. Pearlman, 643-5464.
- 17" TV Zenith, \$25. 646-7184.
- 3 rms of fabulous heirloom quality furn by Davis Cabinets for Prof's home. Must be seen to be appreciated. Almost new. Gertrude, ext 2759 or EL4-5186 after 6.
- Former executive and medical secretary w/college degree will type theses and general manuscripts. Experienced in tech, med, and legal terminology. Work picked up & delivered. Reasonable fees. Call ext 2761 or NO5-7683.
- Will do babysitting weekdays or weekends. Barbara Shafer, LO6-8957.
- Two 7.50x14 Firestone tires. 1/4-1/3 of tread remaining. \$12 for pair. Ext 2653.
- Magic Chef white gas stove, double oven, timer, covers etc. M18-8199.
- Gray formica top K table. 30"x40" plus 1 leaf, 2 white K chairs, black upholstered seats. Exc cond. 3 pieces, \$25. UN4-8570.
- Mod gas space heater, used three months. Best offer. Call FA7-1996.
- 10" port Admiral TV, works good, \$40. 17" Philco TV, new pix tube, exc cond, \$75. Call Tony, Lincoln ext 5379.
- Hammond Solovox organ attach to fit any piano, exc cond, cost \$375 when new. No reasonable offer refused. Bill Thompson, ext 8293 or OL8-9265 evgs.
- 2 female angora-type, gray & white kittens. Call J. Freedman, Lincoln ext 401.
- Trumpet, Vega power special. Lg leather case, \$120 or best offer, exc cond. W. Pearlman, ext 4962.
- Sell or swap 4 octave Estey elec organ w/bench and 48 of 96 U.S. Sch of Music corresp. lessons in organ, \$295. Find out if your child has aptitude for organ before buying expensive instrument. Will swap for late model IBM Exec typewriter. Mrs. Hall, ext 2569.
- '50 Chevy 4-dr, R&H, reliable, \$45 or reasonable offer. Lincoln ext 188.
- '52 Mercury, std trans, V8, \$110, or best offer. Mac Harris, C17-7650 or ext 3784.
- '52 Plymouth, blue, 4-dr, exc cond, \$100. Call TW4-8571.
- '53 Plymouth, exc mech cond. Bob Budny, ext 3227 or EL4-4694.
- '53 Hudson, lt brown, 5 good tires, new grease job & oil change, exc cond, avail now. Call Jane, ext 5361 or TA5-1801 evgs.
- '53 Chrysler Windsor, 4-dr, fluid drive, R&H, six cylinder, economy w/comfort. \$125 or best offer. Lincoln ext 5781 or VO2-7041.
- '54 Austin Healey, redesigned, like new, Joan, Lincoln ext 7404 or CL9-8911.
- '55 Mercury w/new tires, exc cond. \$200. Call WA4-9423.
- '55 blue & white 4-dr hardtop Olds. Good cond, best offer, leaving country. Call Frank, ext 3920.
- '55 Olds, hardtop, R&H, \$200 or nearest offer. N.S. Wall, ext 4286 or VO2-5919.
- '56 4-dr Buick Roadmaster sedan, fully powered, power brakes, power steering, power seats & windows. Good on gas & oil. A-1 cond, \$650. Call EX6-8875.
- '56 Plymouth, exc cond, power steering & brakes, R&H, seat belts, \$395. Tom Anderson, ext 3711 or 262-0686 evgs.
- '56 Buick, orig owner, new muffler, wall to wall carpet, new spark plugs & points, 2 new Bucorn tires, best offer accepted. Bill Baynes, Lincoln ext 5463 or M13-5947.
- '56 Cadillac, 4-dr hardtop, R&H, all accessories, good cond, \$800. Leon Ricardi, Lincoln ext 7331, Room C-252.
- '56 Plymouth Belvedere hardtop, conv., std shift w/overdrive, 4 new tires, new battery, R&H, \$250. Call Eleanor Germonprez, Lincoln ext 5447 or WA4-2288.
- '57 Dodge suburban station wagon, R&H, std shift, exc running cond. Owner going abroad. Contact Walter Vleimetter, ext 708 or M18-3907 evgs.
- '57 Plymouth station wagon, V8, auto trans, R&H, \$400. Call Mark Devane, Lincoln ext 7335.
- '57 Lambretta, exc cond, all accessories, will haggle, take in partial swap: AM-FM tuner and/or 6'3"-6'6" Head skis. P.A. Dunker, IV4-6207 evgs only.
- '58 Ford, 9-passenger station wagon, power steering & brakes, new motor, 1 yr old. For quick sale \$650. Also rack type trailer, \$100. Frank Carter, Lincoln ext 495.
- '58 Pontiac, 4-dr sedan, power steering, power brakes, Hydramatic, 31,000 miles. \$895 or best offer for quick sale. Call Joel Winett, Lincoln ext 172 or RE4-5599 evgs.
- '59 Simca station wagon, R&H, very nice. \$395. Jaffrin, ext 2627 or AS7-1258 evgs.
- '59 Peugeot 403 sedan, 39,000 miles, one owner, very good cond, good tires, improved heater, R for any year Triumph TR3 in comparable condition. Call Joe, 734-4254 evgs.
- '59 Galaxie conv. w/continental tire, std shift, 2 new tires, very good cond. Sacrifice at \$900. WA3-1550 after 6pm.
- '60 Honda dream, 250cc, good cond, \$350 or best offer. Ext 2432 or 491-0136 evgs.
- '60 Valiant, V200, white, auto trans, \$1295 or best offer. Call John Hannigan, ext 4083.
- '60 Austin Healey Sprite, exc cond, all accessories incl hardtop. Best offer. Call ext 2761 or NO5-7683.
- '61 Vespa GS, engine exc cond. Body (new blue paint job) many extras. \$350. BE2-9835, Chuck.
- '61 Volvo 122-S 4-dr sedan, 15,000 miles, exc cond, leaving country, Signer, ext 4117 or 708.
- '61 VW sunroof, 18,000 mi, exc cond, \$1350 or best offer. Call van de Watering, ext 2725 or 566-3708 evgs.
- '62 VW microbus, 7500 miles, exc cond, \$2100. Prof. Mahoney, ext 4449.
- West Concord, LR, DR, mod K, family rm, 3 BRs, bath, full basement incl play rm, lav., & laundry. Newly decorated in & out. 3/4 acre. Mid \$20's. Immediate occupancy. 263-4062 or EM9-5150.
- Well kept 6 rm Ranch w/full basement. Billerica. 1/2 acre corner lot. Asking \$17,000. Call Lincoln ext 282 or MO3-8346 evgs.
- Lg fully-furn apt in Cambridge for 2 months. 10/15-12/15. \$150/mo. Call John Percy, ext 2420 or EL4-6431 evgs.
- Arlington, 3 BRs, 1 1/2 baths, Colonial, top condition, spacious K & master bedroom, lg porch, panelled basement, etc. \$25,900. M18-9495.
- 5 rms, 1st floor, all improvements, hardwood floors, tile K, continuous hot water, oil heat. \$65/mo. 924-5013 or 625-2135 evgs.
- Apt for rent, Belmont (Payson Park), 5 rms, heated, garage, near bus, \$130/mo. Adults only. IV4-0909.
- 5rm apt first floor, Belmont, avail now. Ext 4520.
- Rmgs for rent, Newton Centre, just renovated. 5 min to MTA, lg grounds. \$11 and \$15. Ext 2449 or WO9-5927.
- Cambridge apt for rent. LR, BR, K & study, unfurn, heated, \$90. Married couple preferred. G. Maling, 106 Hancock St., Camb. EL4-3355.
- 9-rm Colonial hse in Littleton, Mass, 4 BRs, mod K, LR, library, DR & study. Convenient to good schs & shopping. Call Slattery, Lincoln ext 7478.
- Apt to sublet, Beacon St. near Mass. Ave, ideal for married student, fireplace, shares garden & patio, \$80/mo. Furn or unfurn. Avail Nov. 1, ext 4466 or CO7-4342.
- Wanted: Bunk beds w/or without mattresses. Phil, ext 2921 or TW9-0017.
- Wanted: Young woman to share attractive home in Winchester. Call 729-6552.
- Wanted: An inexpensive fireplace screen or/and equipment. Call 266-5780 evgs.
- Wanted: VW, '58, '59 or '60. CA7-8133 after 6.
- Ride wanted from west Watertown to MIT mornings only. Leaving about 8:15 am. Miss Carbone, ext 3816.
- Wanted: Car heater for 12 volt car. Will remove from other car if desired. Any reasonable price. Carl Jaffe, HI2-5640 evgs.
- Riders wanted from Wollaston (or Quincy) to MIT & return. Don Wassmouth, ext 2943.
- Wanted: Youth bunk beds in sturdy cond, VO2-9463. R. Hide, ext 3396.
- Ride wanted from Winchester to MIT daily, 9-5. Marilyn Chase, ext 4295.
- Wanted: Twin baby stroller, McDermott, ext 3567.
- Wanted: 2nd hand baby crib & baby carriage. CO2-0178.
- We need a 4th roommate. We have an entire half-a-house, 3 levels, 6 rms, single BR for 4th. \$28.50/mo. plus heat. Lisa Dickson, ext 4462 or K17-1874 after 6. Cambridge.
- Typing wanted: FA5-8453, Marylou Stanton.
- Wanted: Overnight baby-sitter, 3 nights/wk from 4:30 pm for 2 little girls, ages 3 and 2. NO2-9717.
- Ride wanted for Thanksgiving. Milwaukee or Midwest. Will help share costs & drive. Judie, WA4-9373.
- German girl wants quiet, well furn rm w/light housekeeping and own bathroom, separate entrance for October 16. L. Schmidt-Tuchel, ext 4557.
- Wanted: Babysitting, Fri, Sat & Sun nights. Ext 2147.
- Wanted: Rmmate (female) for duplex apt Beacon Hill. Call TR6-1353 evgs.
- Four 5-wk-old kittens want homes. Give away. Ext 4861 or 491-2878 evgs.
- Wanted: Rmmate (female) to share apt on Hammond St., Cambridge. Jane Smith, ext 2459 or 491-0423 after 6.
- Must find a home for our beautiful gray Angora cat--please save her from being put to sleep. Call CA7-8692 after 5.
- Wanted: Ride to and from Billerica Ctr., to MIT. 8:30-5. Ext 3888, Ronald Smith.
- Wanted: A wall safe. Call Lincoln ext 5777 or M12-2294.
- Wanted: US half cents, lg cents, Indian head, liberty head nickels, liberty head dimes, liberty head quarters, also any other old coins. L. Amdexler, IV4-4496.
- Wanted: Ride from Somerville to MIT daily & return, 9-5. Call Kathy Tildsley, ext 737.
- Wanted: Woman to share apt in Brookline. RE4-2871 after 6pm.
- Want to buy old Oz books at standard used price or better. Call Pat Selby, ext 4133.
- Girl 23 desires rmmate who has apt in Cambridge. DE2-8257 after 5.
- Wanted: Rmmate (male) preferably grad student to share apt at 478 Beacon St. w/1 other. Mory Bergmeyer, 266-5508.
- LOST: A gold bracelet w/red cranberry stones on it. If found please return to Joan, ext 2779 or Rm 5-330.
- FOUND: A slide rule on the stairway of Bldg. 26. Owner may claim by identifying case in Room 26-270.

FIRE FIGHTING

By this time tomorrow some 3410 fires in the United States will have caused over 30 deaths and \$4,442,000 in property loss. These statistics are more grave when we realize that fire is the second leading cause of accident deaths among children ages one through four. (Auto accidents are first.)

These statistics will continue to mount up across the country unless individuals take more than a passive interest in fire prevention. A good time to begin fighting fire hazards is now--October. For many years October has been designated fire prevention month.

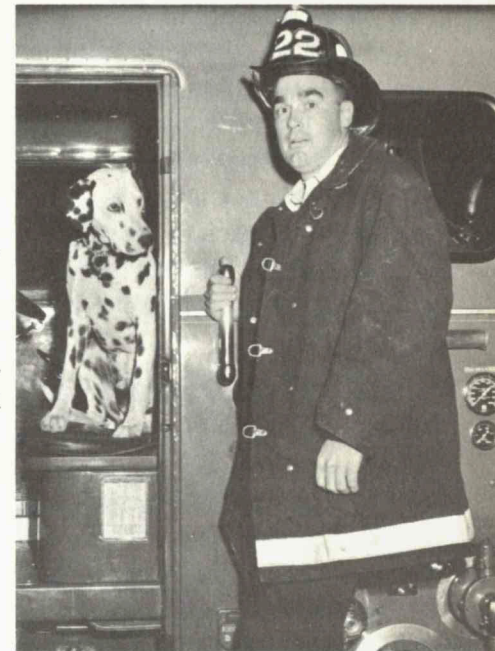
Many MIT people are actively involved in fire prevention through their local fire departments. One such individual is Bill Howell, a technician in the Research Lab of Electronics. A call fireman in the town of Weston, Bill has noticed that, in October, everybody wants to participate in the all-out effort of fire prevention.

Bill has spent five years as a fire fighter--two of them full-time and three as a call fireman. Bill's volunteer work means an 8-hour shift each week at the fire station in Weston which has a population of 9000. The fire department is composed of approximately 15 full-time men and 25 call firemen.

How can you get to be a volunteer fire fighter if you are interested? Bill says, "Go and talk to the chief." Most of the smaller towns and cities are looking for men and there may actually be a shortage in your community. Training progresses as you go along, and through drills which are usually held each week. Unlike large city fire departments where personnel are grouped according to companies such as ladder, engine and rescue, the small city or town fire fighter must learn all facets of fire fighting and must be ready to do any number of different jobs.

Bill has some ideas on fire prevention for you and your home. The local fire department number should be permanently attached to the telephone. In case of fire, it is best to call the fire department directly. Also, be sure to call first and then fight the fire. If you have it out when the engines arrive, no harm is done. They will help you check on the possibility of re-ignition.

With this training, Bill is that much more valuable to his community, home and MIT.

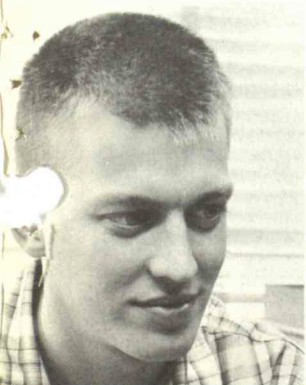


Bill and Weston's mascot, "Patrick".

HUNTING

Soon the hunting season will open, and the fields and woods will echo with the sounds of hunters. Hopefully, there will be no casualties, but unfortunately, the death toll from hunting accidents remains about the same year after year. Last year, 2300 people died accidentally from the careless use of firearms.

Bill Bausha, a technician in Lincoln Laboratory's Group 46, is serious about curbing hunting accidents. Recently he completed an examination in hunting safety administered by the National Rifle Association. And soon to follow will be a certificate from the State of New Hampshire which will qualify him to teach hunting safety. Bill hopes to teach the young hunters. Having hunted



B. Bausha

himself since he was 12 years old, Bill has always felt that the novice hunter is rarely given proper instruction.

It is not only the novice who is responsible for hunting accidents. Often experienced hunters neglect two of the oldest rules of the game--always treat the gun as though it were loaded and never point a gun at anything you don't intend to shoot.

Other tips for the safe hunter include knowing the area where you are hunting and being aware of where others in the group are. The solid colors (red and particularly fluorescent orange) are best for hunting clothes. All hunters should be prepared for varied weather conditions and remember to carry matches.

Also, the safe hunter will identify his target before shooting, know his weapon and hunt with a partner (so he'll have help in case of injury). A check with local game officials in your area will provide you with specific rules and regulations.

Remember, accidents don't just happen--they are caused by carelessness. Statistics show that the accident rate, among those hunters who have successfully completed a course in hunting safety, is much lower than for those who have not. If you are interested in taking a course in hunting safety, you may apply to the National Rifle Association of America at 1600 R.I. Ave., NW, Washington, D.C. They will refer you to a local affiliated rifle or pistol club.

FIRE PROTECTION AT MILLSTONE

Set in its hilly rural surroundings, the Millstone Hill Field Station is far removed from many city conveniences we take for granted. However, Group 314, under Dr. Gordon Pettengill and Cal Frerichs, has taken extraordinary measures to insure that the site will not be lost to fire.

Emergency pumps are connected to the site's deep water wells to provide water pressure until the Westford town fire department can answer the alarm and hook up its pumper truck to the pond across the road from the main building. The pond holds about 500,000 gallons of water. Pumping equipment is capable of maintaining 70 pounds pressure on two fire hoses.

But water alone is not enough to protect the high powered radar equipment and complex computers at the site. Oil tanks used to cool the transmitters are protected by a piped carbon dioxide system, with nozzles permanently installed in strategic locations. The high voltage power supply is protected by automatic heat sensing elements, which, when a fire occurs, will activate a water fog spray. The maze of wiring under the computer room floor is also protected by a permanent carbon dioxide flooding system from either inside the room or outside in the hall. There is a personnel protection device to insure that the system is not activated while anyone may be working in the space under the floor.

Hand extinguishers are placed throughout the buildings, and recharging cylinders are available for pressurized water extinguishers.

Since the site is located in a heavily wooded area, brush and forest fires must also be considered a threat. Trees and brush are kept cut back from the buildings and equipment.

Flammable liquids, a hazard in any location, are stored in safety cans, equipped with flame arresting screens, vents, and self-closing covers, reducing this hazard to a minimum.



The Westford Fire Department pumper tests the performance of the hydrant and pond water supply at Millstone Hill.