

TECH TALK

MASSACHUSETTS INSTITUTE OF TECHNOLOGY February 5, 1969



Enjoying tea are (L to R): Mesdames Takano, Uhlig, Santa, Suzuki, Matsuka, Kanai, Yamamoto and Miura. Mrs. Uhlig is in charge of the English program.

INTERNATIONAL AFFAIRS

There was special recognition for the teachers of the Matron's English program at the close of the semester last month when eight of their Japanese students expressed their thanks by presenting a traditional Japanese tea ceremony. For this special occasion, the Emma Rogers Room was transformed as much as possible into a Japanese home with paintings and flower arrangements together with the delicate tools needed for the famed rite.

Though the tea ceremony was a national undertaking, the English classes themselves usually resemble a small United Nations. Last semester ladies from 16 countries --from Iceland to Thailand--were enrolled in the conversational sessions.

Registration for the spring semester of English Conversation will take place Tuesday next week (February 11) from 10 a.m. to noon in the Emma Rogers Room (10-340). Classes meet Tuesday and Thursday mornings for 18 sessions, with babysitting provided for pre-schoolers. There is a \$12 fee for the course.

The MIT Dames are also gearing up for their annual International Night, scheduled for Wednesday (February 19) in the Sala de Puerto Rico, at 8 p.m. The evening will include exhibits and crafts from nearly 30 countries together with slides and live entertainment such as national dancers and singers, to be topped off with exotic delicacies to eat. Admission for this friendly tour of the world is 50¢.

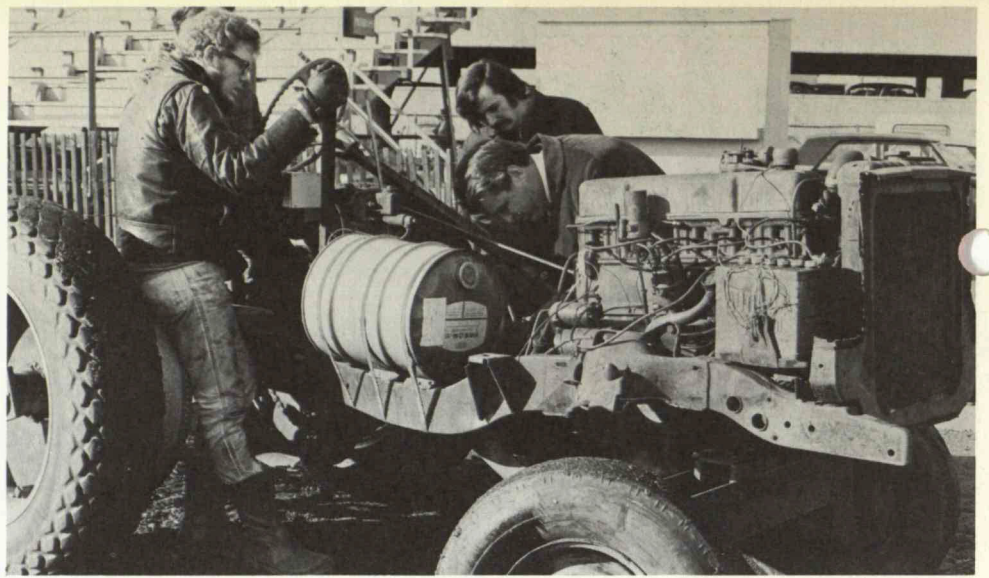
ATTENTION: MOONWATCHERS

If you still get glimpses of that best-of-all Christmas present -- the beautiful and successful flight of Apollo 8 -- there's a treat in store for you tomorrow. Beginning at noon, a 22-minute color film showing highlights of the flight will be shown in Kresge. Presented by the National Aeronautics and Space Administration, the movie records many sights and sounds not heard before on television coverage, including the astronauts' own movies of the surface of the moon and the incredible fiery flicker in the window of the spacecraft as its heat shield hit 5,000 degrees during re-entry.

The film, entitled "Apollo 8: Go for TLI (Trans Lunar Insertion)" will be shown three times (noon, 12:45 and 1:30) during the lunch-time breaks, and begin again at 4:30 so that Institute employees may bring their families to view the fantastic flight. Film times are set for: 4:30, 5:15, 6 p.m., 6:45, 7:30 and 8:15, with our Cambridge neighbors specially invited to the last three showings. The movie is open to everyone, free of charge.

HOLIDAYS ARE HERE AGAIN

You may remember that the Massachusetts Legislature last year passed a new law under which several of our holidays will be celebrated on Mondays regardless of which day they naturally fall on. Somewhat later Congress passed similar legislation covering four national holidays, but that law will not go into effect until 1971. So, for the next couple of years, Massachusetts will be leading the nation, and some confusion is bound to arise. Just to make sure things run smoothly within the Commonwealth, mark your calendars now with our new Monday observances: Washington's birthday, February 17; Patriot's Day, April 21; and Memorial Day, May 26.



It's hard to recognize the Chevy in the Mule.

MULE TRAINING

The sight of odd looking motor vehicles of one sort or another has come to be a commonplace happening around the MIT campus, so no one is surprised to see one scooting here and there. Even so, a few hardy souls were curious enough to pause on the coldest day last week to watch "The Mule" take a few turns around the track on Briggs Field, pulling a harrow for the benefit of a television filming.

The Mule is a former 1958 Chevrolet which has been converted into a reasonable facsimile of a tractor by two undergraduate students in mechanical engineering as a thesis project. Though it's regarded with humorous affection by its creators and the other students of Professor Dwight M. Baumann, the Mule offers a simple solution to a couple of hard, practical problems.

First, making the conversion from car to tractor, is a relatively easy and economical procedure which could be readily adapted to a simple manufacturing plant in underdeveloped countries which are still largely agricultural. Such a factory would require the skills of one or two trained auto mechanics and a welder, together with an unskilled work force of about eight to turn out 400 tractors a year at \$650 each, comparing favorably with the \$3,000 or more price tag on a new tractor.

As a second benefit, such a process would rid this country of at least part of its problem of junk cars, again in an economical way. Bodies could be stripped from the cars to be used for scrap metal, as is presently done, and the remaining hulks prepared for shipment and continued use in a new form.

The Mule was developed by Phillip J. Davis, of Rochester, and Keshev Chandra of India. Both are still actively engaged in the project, Phil in finding support for the factory venture and Chandra hunting for likely sites for the proposed factory in India.

IN MEMORIAM

Allen Richmond, Secretary of the Steering Committee of Lincoln Laboratory, died on January 24 following an extended illness. Mr. Richmond was an alumnus in the Class of 1928 at MIT and joined Lincoln in 1955 after a dedicated career in hospital administration and as assistant to the dean of the Harvard University School of Public Health. In addition to his responsibilities with Lincoln's Steering Committee, Mr. Richmond's office served as the interpre-

REGISTRATION REGIME

Need a telephone number? To find a student? Have to schedule a classroom? Or get something notarized? Or even what enrollment statistics were in 1872? Believe it or not, the answers to all these various questions are generated by the Registrar's Office.

With a staff of only about forty, the Registrar's Office could well be called the working heart of the Institute. Just keeping track of what each of the nearly 8,000 students is studying involves well over 60,000 separate pieces of information each year, compounded by the need to break down a lecture class of 200 students into many smaller recitation sections of approximately equal size which suit the schedules of all of the students. In preparing tuition billing, the Registrar's Office works with the Accounting Office to be sure graduate students with assistantships or fellowships are properly credited.

Many of the Registrar's functions, in fact, are carried out in cooperation with other offices, such as Admissions and Publications. One large undertaking is the preparation of subject descriptions for the General Catalogue, in which the office must work with each department, checking and rechecking its listings, and finally preparing consistent copy which is funneled to the Office of Publications for printing.

It's hard to pick a time of peak activity in the Registrar's Office. Once the Catalogue is sent to press, it's time to begin assembling and mailing registration material to the students, then to prepare for the registration day onslaught. Once this hurdle is passed, there's the student directory and the telephone book to occupy attention. These are no sooner completed when exams must be scheduled and grades recorded, when much of the process begins again.

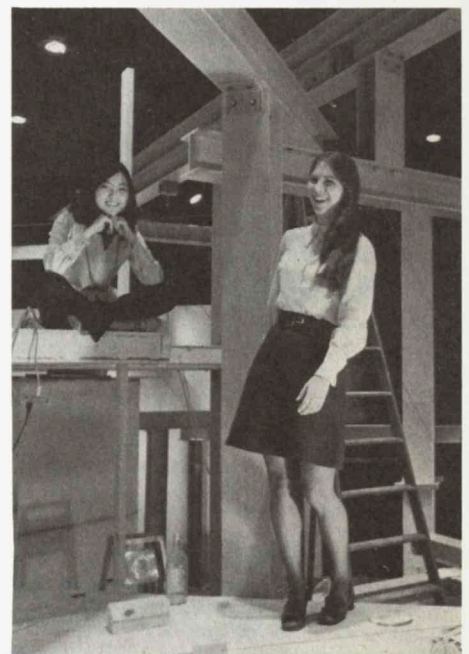
GALLERY GLEANINGS

Hayden Gallery has established a reputation during the past couple of years for forward-looking--and sometimes far-out--exhibitions. The exhibit called "Form and Use in Architecture," which opened last week, is no exception. One difference about it, though, is that it was prepared and organized by students in the Department of Architecture.

It's a lively show which nearly defies description. In it are tools, models, pieces of furniture, photographs and hundreds and hundreds of slides, arranged not only on the floor and walls of the gallery, but also on balconies constructed on I-beams rising nearly to the ceiling. The historic significance of the exhibit dates back to architectural breakthroughs of the 1920's, but also bears a strong resemblance to the architecture drafting rooms in Building 7, relying on clean angles and primary colors.

One feature of the exhibit is a sort-of total immersion slide show in which continually changing views of architectural form and design from around the world are splashed onto some twenty translucent screens. Background music--from rock to children's tunes--accompanies the click-click of the revolving slide magazines in the ever-changing panorama.

The show will also be changing daily throughout its month-long stay in the Gallery in response to suggestions or criticism from its viewers, or if new material becomes available to augment it. So, if you've already seen it, be sure to visit again sometime--it may be quite different by then. This is one exhibit you really have to



Students Ellen Cheng and Grethe Holby during a frivolous moment while putting the show up.

FOR SALE, ETC.

Canon super 8 movie cam, 8mm, almost new, 8x zoom. Call 876-5968.
IBM exec electric typewriter (just reblt) \$150; Marantz turntbl w/Shure
V-15 cartridge \$199. Mark Medoff 354-3203 or x4132.
Wedding gown, 10, silk organza, \$15. Jan X1340.
Ampex stereo headphones w/vol control, orig \$40 now \$20. Ted X6662.
Classic engine, 4 cyl, aluminum 195 Tempest, 61K. Bob X2221.
Records -Dutch lang course; Wanted: vacuum cleaner or carpet sweeper,
sngl bed mattress, metal high ch. Erik X3880 or 868-5345.
Akai M-8 tape record, 1 yr, exc cond, \$200. Dick Mohlere X2524.
Argus C3, 35mm, flash attachmt, \$35. Dick X5603.
Kaska ski boots, f 6-6 1/2, gd cond, \$15. Liz X7115 or 261-1789.
Skis, Hart metal, 5'9" w/Marker bndngs, \$70. Wd skis 6'3" w/Miller
bndngs \$10. VW ski rack (for 4 prs), ski boots 6, \$5. Bob X5160.
Player piano, rebuilt, \$325. Jim 944-2138.
Skis, Attenhoffer 215, w/Dovre step-in bndngs, all for \$80. Call 731-5189.
Spkrs (2) AR3, oiled wal; Pickering V15 AME-3 cart. Call 438-4534 evgs.
Gas stove, 36", gd cond, \$25. Larry X6543.
Kastle skis, 215 cm, w/Lift/Marker bndngs \$25; Anderson&Thompson skis,
7' w/Dovre bndngs \$10; boots, Boots m ll, \$10, f 7 1/2, \$15. 876-5924.
Radio, in antique style wall teleph case, never used, \$25. Judith X7379.
Twin bed w/headboard, 1 yr, new \$90 now \$40. Harry 492-6487.
Philco TV, 19", consulette, \$35; Alum clothes horse, \$4. X2465.
Wollensak T-1280 stereo tape record w/spkrs, \$40. Louis X5695.
Skis, 190 wd w/bndngs, \$25; bicycles (2) 1 girl's & 1 boy's, \$8/ea; Women's
skates 6 1/2 \$5; prac new mink stole \$265. Kate X4710.
Sherwood S-3000 IV, SM-stereo tuner, new \$160 now best offer. Carl X5923.
Sport jacket 38, br check, new \$70 now \$35. Call 491-1364.
Refrigerator, Westinghouse, \$20. X5876 Linc or 244-7331.
Edison crib, 30" wide x 54" long x 46" high, w/ 4" Kant-Wet mattress,
exc cond, \$45. Matching chest also avail. Charles Hanson X3425.
Olivetti port typewriter, new, \$75. Ted X428 Linc or 864-0465.
Ski boots, men's, lace, ll, exc cond, best offer. Call 648-9435.
Set of weights, 110 lbs, \$12. Mr. Black X2685 or Ki 7-0913.
King size bed w/linen, Sealy extra firm mattress, 5 mos old, \$290;
Wool rug + pad, 12.8x15 ft, plush pile, 5 mos, \$180. X6936.
K tbl, drop leaf, wh & gold speckled formica top, 4 ch, exc cond. X5246.
Figure skates, women's, almost new, 9 m, \$10. Joan X5983.
H.H. Scott 120-watt stereo amp, perf cond, \$110. Charles X4820 or 876-3876.
Microscope, alluminal obj, 120V, turret obj, lens head, 25x, 100x, 440x,
2 hand focus nobs, adjust micrometer, exc cond, \$75. Ed X1362.
RCA stereo phonograph w/diamond cartridge, \$22. Diana X5764.
Polaroid 850, elec, man, b & w, color, used 4 times, \$70. Dan X5765 Linc.
Mary Proctor toaster, practically new, \$10. Call X5134.
Technika 70, 2 1/4 x 2 3/4, fl swings-tilts, 100 mm Rodenstock; 65mm
super Angulon; 150 mm Symmar; 2 roll film backs, case, \$750. X5171.
Martin 0018 Guitar, exc cond, 2 yrs old, \$200, will bargain. X7491.
Wd skis, women's, w/poles & bndngs \$7; boots 8, \$10. Bertha X6702.
HQ-110-RCVR \$70; DX-60-XMTR \$40, HG-10-VFO \$20. John X391 Linc.
Chest deep freeze, 2 section, 15' \$100; Homelite chain saw, old model, \$50;
Hetrick wall tent, new - never erected, \$40. X5519 Linc.
Silver arrow boy's skates, 3, \$3. Metal ski rack for convert, \$4. X4416.
Sencore BTBM, w/special attach -wave guide probe, \$30. X3269.
Alto saxophone, beaugnier, gd cond, \$175. John X7519.
Vox Essex ampl w/ ext spkr cabinet & Jensen horn cabinet, four 12" spkrs,
& 1 horn \$300; S.G. Gibson 2 pick-up, cherry red finish \$150. 275-7430.
Siamese kittens, sl point, papers, housebroken. Bill X6732.
Waterprf nylon wind & rain parka, dark blue, med, like new, \$15. X2183.
Lionel trains, 2 eng, 10 cars, track, access, v gd cond. Call 729-0504.
London Fog raincoat, women's, beige w/zip-in alpaca lining, 16, worn
only a few times, was \$65 now \$35. Call 484-1392.
Siamese kittens, 3 gliden & 2 seal pt, 6 wks old, \$25/ea. Call 536-8997.
Bell & Howell slide project, 500 w, semiauto, \$25. Ted X7822.
Goodrich tubeless 6.40x15, 3 v gd, 1 gd, 1 fair, \$25. J. Walsh X5731.
Motorola solid st stereo, AM-FM radio, walnut, 4 spkrs, 80 w amp,
\$200. Kenneth X6295 or 868-1890.
Siamese kittens, \$25/ea, raised w/ children. 369-5285 or X5852 Linc.
Kenmore elec clothes dryer, nearly new. Call 862-5584 evgs.
Ski boots, about 5-4, gd cond, \$5. Nichols X261 Linc.
English Springer Spaniel puppies, AKC, liver & wh, champion line, 12 wks,
innoculated & worm free. Call Ki-7-3453.
Twin beds and dressers. Call 734-3393.
Samsonite suitcase, 21", dark blue, hardly used, \$15. Sandy X4332.
Port sol st stereo, detach spkrs, gd cond, \$20. Call 492-7163 evgs.

Skis, Hart Javelin, '69 mod, 210cm, ex cond; Gr Prix Look Neveada bndngs,
Henki 6 buckle boots, 10-10 1/2 N (men's), best offer. Alan X5873 Linc.
Lady Kenmore elec dryer, like new, \$60. Call 729-3887.
Wd skis (2 pr), 1 w/cable bndngs, \$18, 1 w/no bndngs \$9; boots 10, \$25. X5287.
Antique dbl bed w/matt, inlaid mahog wood, ex cond, \$60. Call 523-0182.

'56 T-Bird, exc cond. David Howell X7348.
'59 Saab, new eng, sacrifice at \$150; refrig \$25; new Pirelli 6.50x15 snow,
Call X6206 or 547-5233.
'59 Mercedes, 300D, black beauty, \$2,800 firm. Bob 491-7434.
'59 Austin Healey Sprite, Mark I, R & H, new top, new std snows. X7491 Linc.
'60 Chevy Impala, 6 cyl, 4 dr, auto, R & H, snows, \$100. Carol X7460 Linc.
'60 Maserati, 3500 GT, dream super car, \$6500 will haggle, lots of pleasant
extras and surprises. X5230 or 861-9122.
'62 Comet, wh, 4 dr, new rings, brakes, batt, snows, gd mech cond, \$250.
Joel X7651 or 492-7549.
'62 Hillman Minx, fine cond, may need new clutch, \$75 or best. X2849.
'63 VW, \$400. Deri X1161.
'63 Chevy Biscayne, 4 dr, low mile, ex mech cond, l owner, \$650. 484-7275.
'63 Chevy Belair, 4 dr, V-8, auto, R & H, snows, gd cond. X7544.
'63 Renault Dauphine, auto trans, 60K, best. Call 245-0915 after 7 p.m.
'63 MGB, need work, \$425 or best; New MGB Abarth exhaust \$50. 259-9386.
'64 Rambler Amer, 220 stick, extras, must sell, \$250. X7033 or 864-8059.
'64 Chevy Impala, sp coupe, wh, 6 cyl, std, 4 new tires, 2 new snow w/rims,
one owner, \$450. Call X4952.
'65 MGB, convert, new paint, gr, wire wh, R, new batt, exc cond, \$1050.
Call 862-4159 evgs.
'65 Corvair, ex cond, R & H, ww tires, 34K, maroon, \$850. X7548 after 2/8.
'65 Chevy Belair, sed, gd cond, 6 cyl, \$900; stereo rec player \$60. 491-4914.
'66 Rambler Classic, auto, buckets, positract rear, \$1250, extras. X3453.
'67 VW, sunrf, wh, ex cond, 24 K, \$1250. X5330 Linc or 729-7829.
'68 Datsun 200 convert, low mi, 5-spd, ex cond. Larry X5598 or X5593.

Arl, furn rm avail w/breakfast & ride to MIT. Helen X4462.
Camb, 3 rm apt, no lease, 5 mins to MIT, \$65/mo, avail now. Ann X4424.
N. Camb, 2 br, 1, k, bath, new bldg, 5 mins to Harv Sq, \$200/mo &
utilities, air cond, off street park. Call 354-3570.
Wellesley Hills apt, cple pref, newly redecd, basemt, park, avail immed,
\$185/mo, includes all utilities. Bruce X6607, or evgs 235-2451.

WANTED & MISC.

LOST: gold bracelet, 1/14, Reward. Kathy X7142.
LOST: 1 navy bl silk lined glove, 11" between Vassar St gate & libraries
on 1/22. Miss Borland X5689.
FOUND: book, 1/23 in lobby bldg 39, claim in E19-210 or call X4741.
Thesis typing, Miss Wiley X4981.
Gargoyle, 12th ct French style, reas cond. Arthur X6257.
Will pay daily ride N. Beacon-Market St area Bright, 8-5. Laura X5003.
Set of Encyclopedia Britannica. Peter X6643.
Danish style sofa, 1 or more. Call 862-6826.
Adj piano stool. X2424 or 729-2076.
Will babysit in Eastgate. Call 876-5209.
Typing, complete and prompt. Mrs Fuller 646-1656 evgs.
Brass casings 30-06 and 30-30. Call X2398.
Old fashion studio camera stand, gd or restor cond. Write Fred Rosebury
20B-005, M.I.T.
Baby's dressing table. Call 646-1133.
Fem rmmte to share mod furn Brk apt nr Beacon St. X2101 or 734-8085.
Apt for cple (grad student), 2 br, 1, 3/15 or 4/1 -9/1. X2355 or 547-7139.
Babysitter for 2 girls (25 & 8 mos), on short notice for part or all day,
bring your child, Arlington. Ken X7716.
Fem rmmte to share furn Camb apt, \$70/mo. Luzmaria X4211.
Baby feeding table and crib. Call Dan X6233.
Girl seeks rm w/family in return for babysitting 3-4 nights/wk. Lois X5865.
Ride: Methuen to M.I.T., 8-5. Don X3540.
German tutoring by native German, conversation, reas. X2686 or 923-1794.
Upright piano, cheap. Mary X2917.
To rent- August, lake cottage 6/8, Plymouth to Canal area. Joan X3656.
Amp elec welder 50-200. Call 275-8199 evgs.
Fem rmmte to share Brighton apt, own rm, bus, \$85/mo. Linda X269EDC.
Fem rmmte, 25-35 yrs., to share Camb. apt w/2 others. 354-7339 evgs.
Riders or carpool, Wilmington - MIT, 8-5 daily. X2736.
Ski rack for wgn w/roof rack. Erik X781l or 862-3875 evgs.
Diving tank, and/or regulator 72 cubic ft. Call X6824.
Ride 8:30-5, Winchester to Lincoln Lab, will pay. Carol X173 Linc.
Typing, theses and other papers. Hedy X5954.

SAFE TALK

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

February 1969

BITING COMMENTARY

Upon being rescued from the icy waters of the Charles River, a grateful dog promptly bit one of his rescuers on the cheek. The dog was released and allowed to go his merry way. Chances are that nothing but pain and inconvenience resulted from the bite, though a tetanus shot was called for.

Dr. Paul M. Newberne, veterinarian and professor of pathology in the Department of Nutrition and Food Science, says that the presence of rabies in bats in the New England area has been established. This would indicate that bites from dogs, cats, squirrels, foxes, raccoons, skunks and other wild animals should be suspect. Because of this, a serious effort should be made to secure and confine the offending animal for observation and to notify your local health department. Most cities and towns have a mechanism set up to handle the problem and relieve the bite victim of anxiety attendant to such accidents.

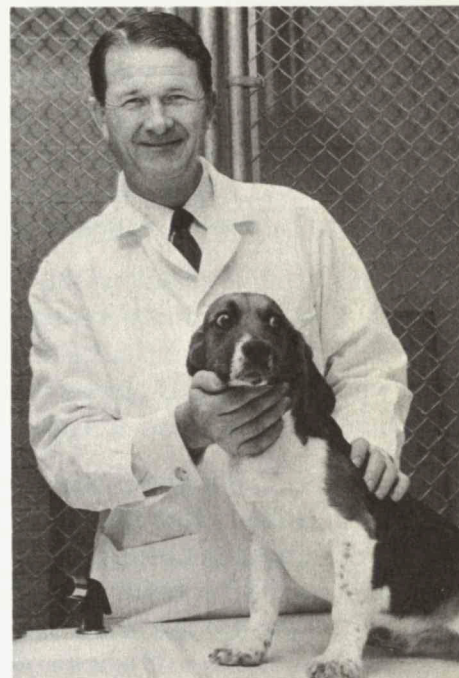
If you or any member of your family has the unhappy experience of being bitten, discuss the situation with your doctor at once. Also, remember to call the local police, dog warden or health department.

DRUGS AND DRIVING

A growing menace on our highways is not confined to way out characters or addicts on pep pills, marijuana, narcotics or other drugs. The problem also applies to the solid citizen and his wife who may be taking sedatives or tranquilizers (with or without doctors' orders) to relieve the pressures and tensions of today's living. Some of these medications can cause impairment of normal driving ability or proficiency.

Effects of drugs are unpredictable since they vary from individual to individual. A drink on the way home from work or a festive party in the evening complicate this picture still further. Drug manufacturers warn that the action of tranquilizers or sedatives may be enhanced or extended when used in combination with alcohol. Some tranquilizers even lose their tranquilizing properties in the presence of alcohol. Any of these situations could be dangerous as far as highway safety is concerned. A combination of drugs and alcohol can unexpectedly render a person unfit to drive and incapable of judging this for himself.

If you feel you need something to ease the pressures and strains of today's fast pace, forget about what those commercials say. See your doctor; he is in a better position to tell you what, if any, drug to use and what precautions to take. It is only without medical advice that a person gets into trouble. Someone once said that he who doctors for himself has a fool for a physician.



Dr. Newberne and friend--not the offender mentioned in the story.

SNOW -NO

Snowmobiles or snowsleds, although defined as motor vehicles under Massachusetts statutes, may not be registered in this state because they do not meet the laws pertaining to equipment standards. Because of this, they may not be operated on public ways, whether paved or unpaved, and they may not cross public ways. However, they may be operated on private property or transported in a trailer to another state.

GRINDERS AND GRINDING WHEELS

Stationary grinders are essential and familiar pieces of equipment in all machine and do-it-yourself shops. Their use is probably limited only by the imagination of those who need something sharpened, shined, polished or ground down. All grinding wheels are breakable and care should be exercised in their handling and storage to prevent damage. Extremes of temperature and humidity should be avoided during storage, and the wheels should not be bumped, dropped or rolled. They should be stored flat or on edge, as recommended by the manufacturer.

Before using a wheel, inspect it to make sure it has not been damaged. A physical test to determine if the wheel is cracked is easily performed and known as the "ring test." This consists of gently tapping a clean wheel with the wooden handle of a light screwdriver at a point about 45 degrees on each side of the vertical center line and about one to two inches from the periphery. Rotate the wheel 45 degrees and repeat the test. An undamaged wheel will give a clear metallic tone. A dead sound implies a cracked wheel.

When mounting a wheel on the grinder, check to be sure the rated speed of the wheel is equal to or greater than the spindle speed of the grinder in RPMs. The wheel must fit freely on the spindle; safety blotters or washers used between the wheel and flanges must fit flat so as not to result in uneven pressure which can cause stress and wheel failure. For threaded hole wheels the direction of rotation of the spindle should tend to tighten the nut.

After mounting a wheel, the protective hood and eye shield should be properly positioned before starting the machine. Run the wheel at operating speed for at least one minute before applying the work, and do not stand in front of or in line with the wheel. Vibration of the wheel indicates it is out of balance and should be rebalanced by trueing or dressing. Work rests should be adjusted with a 1/8-inch opening to prevent the work from being caught between the wheel and the rest. Peripheral (edge) grinding wheels should not be used for side grinding because they lack sufficient support to withstand the pressures exerted. Wet grinding involves coolants that can weaken or throw the wheel out of balance. Shut off the flow of coolant before turning off the machine so that the coolant is spun out.

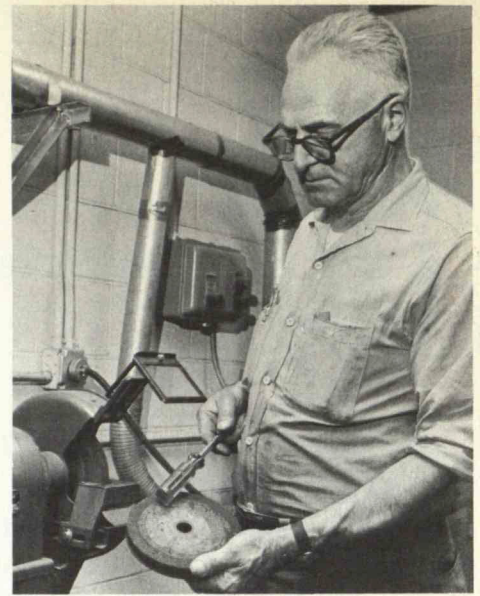
Stationary machines used for dry grinding should be equipped with an exhaust system where the type or quantity of work requires. Proper eye protection should be worn during grinding operations. "The Use, Care and Protection of Abrasive Wheels" (USASI B7-1, 1964) is recommended for more complete information.

INDOOR-OUTDOOR CARPETING

In evaluating indoor-outdoor carpeting "Consumer Reports" states frankly, "They should last a very long time almost anywhere, but most are flammable." Manufacturers' claims of the extraordinary durability are not exaggerated, says the Consumer Union, but only three of the thirteen rated carpets passed a flammability test set up by U.S. government specifications for purchase by the General Services Administration.

At least four popular colors of each carpet sample were tested for flammability at conditions of low relative humidity. The test consisted of placing a calibrated burning tablet on the carpet and lighting it. To be acceptable, the carpet had to stop burning before the burned out area exceeded two inches in diameter. All the samples of only three models passed the test and were rated acceptable. Seven models failed the test in two colors and were rated not acceptable. Also rated not acceptable were three models whose performance was somewhat borderline.

None of the samples that failed the test actually flashed into flame, but they did continue to burn slowly right out to their edges. Comparatively, a dropped burning cigarette did not ignite them, but an almost empty book of burning matches did. The danger of this type of slow burning is that flammable furnishings, drapes, curtains, etc., could be ignited by the spreading fire after you left the house or went to bed. Although covered under the recently-amended Flammable Fabrics Act, no standard has been developed for fire resistive ratings of carpeting.



Vern Steeves of Physical Plant listens for the metallic ring.