

TECH TALK

MASSACHUSETTS INSTITUTE OF TECHNOLOGY April 8, 1970



Marie Smith displays one of many lost coats.

RECOVERY PLAN

Button, button, who's got the button? Chances are that it is in E18-210 along with many other articles which have arrived at MIT Lost and Found. Most lost items are found in the daily rounds made by the building service employees and turned over to supervisors who, in turn, deliver them to Lost and Found.

Lost and Found, run under the auspices of the Physical Plant, is a very useful, but unfortunately little used facility. Any article that is found around the Institute--with the exception of the residence halls, which keep their own collections--should be taken to Physical Plant. When an article is brought in, it is catalogued, dated and put away under lock and key in hopes that its owner might retrieve it.

When names are on lost items, the owners are notified. But most articles are not marked and generally never picked up. A person must clearly identify his property before he can reclaim it. Under present procedures, articles are kept for at least four months before they are disposed of, but nothing is ever thrown away. After the waiting period, money or valuables are returned to the finder; the other items are sent to various charities.

Mrs. Esther Ayer, who supervises the section, makes the following suggestions that will help both you and Lost and Found. Label your possessions, especially items such as books, theses and papers which can cause enormous personal inconvenience if lost. Take over articles

APPOINTMENTS

Paul V. Cusick has been appointed to the newly created position of vice president for business and fiscal relations. In this position, Mr. Cusick is senior officer for operating business policies and procedures at MIT, serves as contracting officer and is responsible for policies affecting the Institute's fiscal relations with government agencies. Three other major appointments are of Stuart H. Cowen, who succeeds Mr. Cusick as comptroller, George H. Dummer, who succeeds Mr. Cowen as administrative director of DSR, and Frank R. Stevens, who becomes deputy administrative director of DSR and director of fiscal planning in the comptroller's office.

CALENDAR JOTTINGS

Spring always seems to bring many activities and events; here are some that might interest you.



Paul V. Cusick

The Thai Association of Massachusetts will present its annual "Thailand Night" on April 11 at 7:30 p.m. in the Sala de Puerto Rico, Student Center. The main feature will be Songkran Festival, the traditional festivity celebrating the beginning of the Thai Lunar New Year. The program includes classical and folk dances as well as sword fighting, a fashion show and dancing for all until 1 a.m. Tickets are available at the door and at the MIT Foreign Students Center; or call 868-0643.

The MIT Dames are sponsoring their annual fashion show, "Sunsigns," April 13 at 8 p.m. in the Sala de Puerto Rico. The Dames will model fashions by Capezio of Harvard Square, Stork Time and F.A.O. Schwartz. Tickets are \$1.50 and will be available at the door. Refreshments will be served and there will be a door prize. Proceeds will go to the M.I.T. Community Service Fund.

The Institute of Environmental Sciences is holding its 16th Annual Meeting at the Sheraton-Boston Hotel during the week of April 13. The Institute is a national society composed of some 2500 engineers and scientists. The principle intention of this gathering is to attract people in the physical and biological sciences in an effort to introduce space-age technology and hardware to the problems of hostile environments. The theme selected for this meeting is "The Environment Challenge of the 70's." Gerard A. Gallagher of Lincoln is Technical Program Chairman and will be glad to answer questions; at 811-7415.

The Cambridge Business and Professional Women's Club will hold its annual White Elephant Sale on Friday, April 17, in the Bush Rm, 10-105, from 10 a.m. to 2 p.m. All proceeds will go to the club's scholarship fund.

On April 22 MIT will join universities and communities across the country in holding Ecology Teach-Ins. The activity here will be centered around three panel discussions dealing with the technological, political and economic problems of controlling pollution, and with the outlook for the future. Smaller workshops dealing with specific topics such as "Oil Pollution in the Ocean" or "Crowding and the Loss of Freedom," exhibits and demonstrations are also planned. For further information contact Carole Bertozzi, 16-639, X3708.



Stuart H. Cowen



George H. Dummer

The deadline for submitting proposals to the MIT Community Service for funding during the summer or for the 1970-71 academic year is May 4. Your suggestions for the use of funds on MIT-related community service projects, focusing largely on proposals in which grants for the equipment, supervision, administration and service, can give special leverage to the efforts of MIT volunteers. The Fund also provides seed money for innovative plans. Suggestions should be sent to CSF, 10-205.



The Physics Reading Room is for reading.

NEW PHYSICS READING ROOM

With the possible exception of a couple of wall clocks, the old Computation Center in Building 26 has undergone a complete transformation. Now the Department of Physics Reading Room, the area is carpeted and quiet, decorated with inviting soft couches and bright chairs. Quiet, however, vanished temporarily when open house was held, two weeks ago, welcoming hundreds of students, faculty and staff, both from Physics and from the Libraries. Speaker for the occasion was Professor Anthony French.

MORE ON EXERCISE

Professor George Thomas of Mathematics has been studying yoga for the past couple of years and now is willing and able to teach beginning yoga to anyone at MIT who might be interested. Yoga classes follow a set pattern and last for one hour. There are a few warm-up exercises before beginning, then yoga exercises and breathing and instruction followed by conscious relaxation, ending the lesson. According to one report, after a yoga session, you feel "refreshed, relaxed and ready to attack anything." Professor Thomas is on leave this year, but those interested in exploring yoga can reach him at his home in Concord, 369-9401.

BICYCLING WEEK IS COMING

The week of April 18-25 is Cambridge Bicycling Week. It will be filled with many fun and interesting expeditions, starting with a bicycle parade from City Hall on Saturday at 11 a.m., and including various short and long trips throughout the week. On Ecology Day, April 22, the cyclists will hear a talk by David Wilson, Professor of Mechanical Engineering, on "People Power--or, New Developments in Man-Powered Transport," in the Bush Room, 10-105, at 8 p.m. There will be a Century ride the following Saturday, along with children's events, complete with awards and trophies.

Bicycling Week is an outgrowth of the Traffic-Safety Committee, started in 1968 by Counselor Thomas Mahoney, Professor of Humanities. The MIT Outing Club, Ecology Action and several city departments have joined the Bicycling Committee in organizing the week. The MIT Publications Office helped with safety leaflets. New bicycle racks, in which the MIT Planning Office played a part, located in key spots around Cambridge, including MIT, and streets designated as bikeways are all part of the committee's effort to make cycling a safer and more popular form of transportation. For further information contact Professor Wilson at X2237.

FOR SALE, ETC.

Walnut playpen, crib, jr bed & chest. Danny X3385 or 926-0095.
 Heathkit 12" b&w TV, wired, 1 yr old, \$100. Mike X7838 or 864-2870 evgs.
 Dachshund puppies, reg, AKC, 3M, 1F, 8 wks old. Call 969-6487.
 Tickets (2) for Tosca, by the Metropolitan Opera Co. in Boston, \$9.50 ea, 4/25/70
 Call 547-1627.
 Rectangular playpen, \$9. Call X2591.
 Dk cork panels, 1'x3'x1", \$1.25/panel. Call X4674 or 491-6039.
 Bikes, 20", girl's & boy's, \$15 ea. Call X322 Draper 7 or 843-2279.
 George Washington bedspread, antique wh, dbl bed size, orig \$32, now \$15. Call
 Gerald Levine X288 Draper 7.
 Harmony Classic guitar, exc cond. Call X2355 or 868-1275.
 Easy chr, upholstered, brand new, exc cond. Call Mike X7193.
 Tbl lamp w/green lthr base, \$8; G.E. hand vacuum \$12. Call 491-8932 evgs.
 Free: Crosley cabinet w/radio, TV & phono, needs minor repairs; you must
 come and take it away. Call 227-8510.
 File cabinet, 2 drawers, \$20. Gary X1950.
 Dbl bed, \$10. Call Peter X2636.
 Deluxe Hotpoint elec stove, gd cond. Call 643-9504.
 Head skis w/ Tyrolia bndngs, 187cm, \$60. Call Mike X6948.
 Handy Hannah Hairdryer, hoodless type, perfect for blow drying, \$5. Call
 868-9066 after 4 pm.
 Fisher silvergl skis 190 cm, w/Solomon step-in bndngs; Reiker boots, 9. Call X7241.
 Dual 1219 trntbl, brand new \$150, was \$190. Call 492-6982 evgs.
 SCM Galaxie typwrtr, elite type. Herb X2592.
 Mason & Hamlin upright piano, exc cond, \$99. Call Martin 566-4333 evgs.
 AKC registered Keeshond, m, 1 1/2 yrs, exc for obedience training, loveable &
 very alert. Marilyn X1385.
 Automobile tow bar. Call Julian X7039.
 Port typwrtr, exc cond, manual, best offer, Remington. Call X5621.
 Oval braided rug 9X12, \$15; Argus Camera \$20. Mrs. Barclay X4780.
 Free: strange kittens; 1 black tailless, 1 black kink tail, 2 normal, all 1/2 Manx.
 Call Jane X6153.
 DR chairs (4) \$15. Linda X4488.
 Firestone 500 ww tires, 4 ply 7.00x13, like new, \$30/pr. John X3955.
 Beige luggage, 3 piece, \$20. Call X5766.
 Durst M 600 enlarger, masking frame, Timek tank & trays, never used, \$75.
 Call Charlie X2442.
 Skis, 205 cm w/bndgs, exc cond, \$15 for quick sale. Andy X3707.
 Head skis G.S. Vector, 215 cm, \$70. Call 275-1204 evgs.
 AKC Bassett pups. Call X289 Linc or 322-5414.
 Blaupunkt AM-FM short-wave car radio \$85; stamp collection; b/w TV, \$5; book-
 shelves \$25; misc tech bks; elec rotisserier \$8; 2 BSO tickets 4/18. Call 868-6943
 Stainless service, 5 piece settings for 8, \$12. Call X6389.
 Plexiglass 15"x27"x1", \$25; MIT 1917 yearbk, \$10. Call Joe X2393.
 Bed; dresser; port typwrtr; \$15 ea. Call Peter X3880 or 491-3897.
 Rossignol Stratix skis, 210 cm w/ Solomon competition bndngs & anti-theft loops.
 Used 1 1/2 yrs; \$75. Call Jim Rome X4657.
 Physical review letters, 1968-69, complete minus 2 issues, \$5 or best. John X4673.
 Stereo tapes, 8 track, all exc. Lana X4152 or 523-6471.
 AKC springer spaniel pups, bl & wh, champ sire. Call 254-2758 or 241-8935.evgs.
 Norelco 101 tape record, case, hdly used, \$40; Walzflex twin l. reflex camera,
 120 size, case & flash, \$35. Roberta X5159.
 Parlor grand piano, gd cond, \$240 or best. Call X4391 or 524-0547.
 Airplane Cessna 140, exc cond. Call 332-3090.
 Wd./desk, 8 drw, \$25. Roberto 547-9732 evgs.
 Pedestal DR tbl w/ maple grained plastic top; resists burns, scratches & stains,
 42" diam, few mos old, now only \$30. Call 776-2089.
 Alligator purses (2), black & br; brn allig shoes 5 1/2; clothes 7. Call 861-0142.
 Port baby stroller, like new. Call 484-7982.
 Eico AF & RF gens + scope, cheap. Call X4476 or 491-3691 evgs.
 Siamese kitten, m sealpt, hse brkn, shots & papers. Call Bill X6732.
 KTepper kayak fold-a-boat w/sails, used 1 season, selling 1/2 orig price, no space
 to store. X349 Draper or 547-0861.
 Tech dinghy, exc cond, dacron sails, alum mast, gd trailer. Dick X5806 or 734-6193.
 Beetle Cat, 12" wd, 2 sails, not in water in '69, \$475. Call X4791.
 Wedding veil, crown hd piece, elbow length net veil, \$25. Call 337-4632 evgs.
 Prof stereo amp, exc cond, 100 watt, orig \$320, now \$85; Eico stereo tape deck,
 like new \$95; Silverstone 19" port b/w TV, exc cond, \$55. Call 484-4894.
 Port Typwrtr, Belgium made, pica type, \$25. Dwight X5640.
 Dk br fall; diamond ring; Voice of Music stereo. Call 944-2142 evgs.
 Short style human hair wig, dk brown, \$22. Marie X2808.
 Bay Path Skating Show tickets, 4/18/70. 2 pm. & 8 pm. shows, tickets \$1 - \$2.50;
 Framingham. Call Michael X2082.
 Firestone tires 7.35x15; replace 6.50x15, brand new, \$25 pr. Call 323-8382.
 Monolux microscope, 18 x to 1450 x, orig \$450, now \$300. Morry X177 Draper.
 Sony TC 200 stereo tape record, 4 trk, yr old, \$110 or best. Ginny 762-6912 evgs.
 '61 Buick Special, nw brakes, mflr, batt, tires, gd run cond. Call Mike X5217.
 '61 Valiant, \$25, useful but ugly. Call Steven X6264.
 '62 Ford Galaxie, gd running cond, asking \$250. Call 325-9236.
 '62 Corvette 327, 4 sp, posi, met brakes, mech gd but nds trim, \$800. Call
 547-5385.
 '63 Rambler American, exc cond, \$185. Call 864-0994.
 '64 Checker sedan, r, p st & br, auto, gd cond, 55K, \$600. Perry X5820 Linc.
 '65 VW, Karmann Ghia, convert, 35K, AM FM, \$500, body damage otherwise fine.
 Call X5380 Linc.

'65 Mercedes, 230 SL roadster, st, perf cond, \$3250. Call 267-8149 evgs..
 '65 Mercury Comet, Villager wagon, 6 cyl, st, 7 wheels, \$695. Call X4493.
 '65 VW, sedan, new motor, fully renovated before Army induction, \$800. Call
 864-5895 evgs.
 '65 Chevy II, auto, gd cond, \$530 or best. Chris X2402.
 '66 Chevy Biscayne, 4 dr, 6 cyl, std, 48K, gd brakes & tires, some bumps, \$475.
 Hank X7253.
 '66 Renault R-8, 36K, nds engine wk, \$150. Peter X6568 or 354-5163.
 '66 Falcon, 4 dr, st trans, 56K, blue, \$750. Call 484-4125.
 '67 Chevy Impala, V8, p st, auto trans, \$1300. Call 547-7371.
 '67 Mustang, yellow w/black top, exc cond, \$1500 or best. Steve X2181.
 '67 MGB, 39K, new clutch, exc cond, r & h, \$1500, I need money. Call 262-7436.
 '67 Ford Fairlane, 2 dr, hd top, 289 V8, p st, cruasamatic, exc cond. Call 862-4370.
 '68 Karmann Ghia, blue, pirellis, konis, empi exhaust, AM-FM-SW, \$1800 firm.
 Bob X559 Draper or 935-4730.
 '68 Renault R-10, 1 owner leaving country, \$1125. Neil X5809 Linc.
 '68 Porsche 912/5, 26.5K, AM-FM, green. Call 742-1734.
 '68 VW red, r, exc cond, 26 K, \$1375; Raleigh 3 sp men's bike. Call 484-5603 evgs.
 '68 Ford Torino, V8, p st & b, console fl shift, buckets, air cond, alarm sys, posi-
 traction, best offer. Billy X7393.Linc.
 '68 VW, yellow, convert, auto, fully equipped, \$1500. Call 864-3040.
 '69 Triumph Spitfire, yellow, 4 sp, radials, 13K, must sell moving. Alan 933-4971.
 '69 Fiat 850 Spyder, convert, 4 sp, low mile, AM-FM, \$1500 or best. Call 643-1982.

Bcn HI, loveable 3 rm apt, f pl, brick wall, lge K, panel, yd, \$180/mo, no utilities;
 avail immediately. Peter X325 Draper.
 Brk, 3 BR, LR, DR, wk rm, nr schools & services, \$250/mo. Call 734-5151 evgs.
 N. Camb, 9 rm hse, 3 B, comp furn, yr lease, sgl fam only, fac pref. Call 864-4254.
 W. Camb, 5 rm duplex, LR,DR, Kette, 2BR, comp renov, modern, available
 now, \$225/mo. Mrs. Wright X7287.
 Concord, 4 BR split entry, yr old, 2 B, eat in K, DR, 2 f pl, 2 car garg, mid 30's.
 Call 369-6756.
 Falmouth, summer rental, 3 BR, furn, ht, Ranch. Call X5867 Linc. or 891-1560 evgs.
 Jamaica Pl, sublet 6/1-7/31, 4 1/2 rm, \$150/mo. David X2195.
 Medfd, renov ex-dentist office, on bus line, prof man pref. X2776 or 391-5431.
 Newton, 5 BR hse for summer, furn, nr MBTA & Mass Pike, no pets, \$400. Call
 969-3439 or X2408.
 Newton, sublet, 3 BR hse, nice yd, low rent in exch for letting 18yr old boy stay,
 8/1 - Labor Day. Call X4776 or 527-5312.
 Newton Highld, 3 BR, summer rental. Keith X5623.
 W Peabody, 3 BR, Ranch, \$29,900, carp, lge wd lot, 25 mins to MIT, Call 625-4048
 or X284 Draper.
 Walthm, 4 yr, 9 rm, split-level hse, avail 7/1, \$37,500. Call 899-2576.
 Waterm, mod furn st apt, cab K, tile B, ww carp, air cond, ht, pkg, avail now,
 \$190/mo. Call 923-8985.
 Wh Mtns, summer cottage, waterfrt, in fthills, secluded, exc swimming, boating,
 fishing, \$125/wk. Call X4569 or 779-2774.
 NH cott, Ossipee Lake, comp furn. Arthur X2720.
 Vacation home, secluded, beaut view of ocean, sm harbor in marsh, 8 rm yr round
 home, beach, rent, comp furn. Prof Donovan X5870 or 646-2675.
 Little Deer Isle, Maine, 3 BR cott on shore, LR, B, K, cove, \$75/wk. Call 491-3373.
 Lebanon, N.J., trade hse for 1970-71 acad yr, 1/2 hr to Princeton or Rutgers, 4 BR,
 1 1/2 B, dk rm, DR, f pl; want hse in Camb. Joan X5849.

WANTED & MISC.

Companion to boys 8 & 10, 2:30-5:30 pm. in Brkline. Call 734-5452.
 Camb, Som or Bright unfurn, effc, apt, ht & h water, lease, 6/70-. Anne X6949.
 Kendall Sq vic, 1 BR, 4/15-6/15, pref Eastgr. Call X6642.
 Linc staff memb, wife & 11 yr child wish to sublet hse or apt 7/15-9/15. X5473 Linc.
 Furn apt or hse for June sublet, Bost, Camb or suburbs, pets. Virginia X2632.
 Will babysit in my Belmont hse. David 484-1697.
 Adult's wlk chr; child's tricycle for 2-3 yr old. Pat X1636.
 WI babysit daily in my home. Call 926-1823.
 Lg hse in Camb for educ purpose, 1-2 yrs. Richard X6009.
 Books, games, crafts & art material for hospital. X6331 leave message.
 Will swap reel-type p mower for gd qual rotary mower. Bob X7533 Linc.
 Fem rmmte, Camb apt, \$100/mo, own rm, no lease. Rebecca X5495.
 Sgl bed, couch, easy chr, TV in gd cond & reas. Call 492-5452 evgs.
 Conn or Selmer baritone sax. Call 332-7152 evgs.
 Rent outbrd motor, boat & trlr, 6/26-7/12. Call X2220.
 Fem rmmte to share Bcn St apt, avail June. Debby X2195.
 Lost: 3/11 at Fac Club, ladies long blk lthr gloves. Call 643-0758.
 Ride from Medfd, nr Malden, to MIT, 8-4:30. Call X2863 or 396-4755.
 Bicycles (2), M & F, reason. Paul X2177.
 Fem rmmte to share mod Camb apt, avail 7/1. Esa X6673.
 Pottery kiln, to beg, borrow or steal. Carla 868-6233 after 8 pm.
 Boy Scout camp gear; girl's 20" bike or swap for girl's 26" bike. Phil X3895.
 Camb, Som area apt to rent 5/1 or 6/1, for married cpl, approx \$120. Call X4396.
 Lost: sm lighter in Stud Ctr DR 3/20, sentimental value, reward. Call 7957.
 Lost: poem on Xerox paper, Mass. Ave. & Mem. Dr., 3/18. Joan X6849.
 File cabinets for 4x6 index cards. Robert X4571.
 Boat trlr, 14'. Matti X4153.
 Motorcycle helmet. Call Fran X2934.
 Pregnant cat nr term. Ed X5780 or 742-2435.

SAFE TALK

April 1970

AEROSOL SPRAYS

Some inventive person has packaged material in an aerosol can which permits electronic technicians to perform an otherwise time consuming task with relative ease and simplicity. This aerosol is used to locate defective resistors, transistors, capacitors, etc. The aerosol is a fluorinated hydrocarbon and when sprayed through a thin tube, which is inserted in the nozzle, onto an electronic component frost appears on the component. This lowers the temperature of the particular device in relation to other components, which enables the technician to determine whether the component is defective. This of course, can be done without removing the suspected device and testing it while operating.

When the nozzle is depressed some of the liquid may spurt out and land on the user's skin, and cause slight frostbite. When checking out circuits for any length of time, the finger used to depress the nozzle could be in contact with the refrigerant without your being aware of it. At least two cases of minor frostbite occurring in this manner have been reported to the Safety Office.

One possible way to avoid contact with the refrigerant is to cut a snug fitting slot or hole the size of the extension tube in the side of a type G 8-14 plastic wire connector. Place it so it will act as an extension of the knurled button. If you know another way tell us.

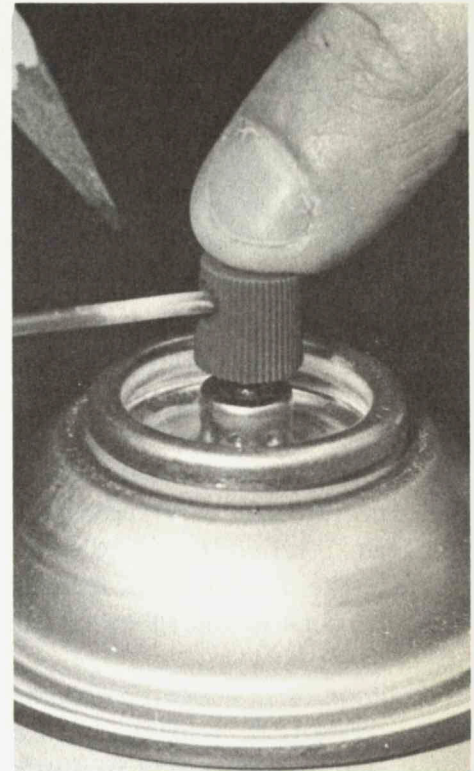
THE SAUNA

The home sauna, which originated in Finland a thousand years ago, is sweeping the country.

In its simplest form, the sauna is constructed of rough, unpainted redwood walls, with no windows. The only furniture is a set of wooden bunks, one above the other. An electric grill is located in one corner of the room; when the sauna is in operation there are several rocks on the grill that glow with heat. This source of heat causes the temperature in the room to rise to around 200 degrees Fahrenheit.

Health authorities emphasize that precautions must be taken prior to using the sauna. Drinking large quantities of liquid or eating a big meal first is definitely discouraged. Victims of heart disease or low blood pressure should consult with a physician before trying a sauna. It is also suggested that one should not enter a sauna immediately after prolonged physical exertion.

The U.S. Department of Health, Education and Welfare, worrying about the sauna health craze, has recommended that all saunas sold in this country bear a label; "Warning--elderly persons or those suffering from heart disease or high or low blood pressure should not use this device unless directed by a physician."



Pencil points to frost on inserted tube.



Miss Susan Brazao, of Environmental Medical Service holds a dangerous tube.

DANGEROUS ELECTRONIC TUBES

Under the provisions of the "Radiation Control for Health and Safety Act of 1968," the Federal Environmental Control Administration has issued its first directive to halt sales of an electronic device. The directive concerns three types of electronic devices which emit significant amounts of x-radiation when operated at voltages in excess of about 15 kilovolts. The devices are special electronic tubes that are used to demonstrate fluorescence, heat-effects, and magnetic effects. One of the tubes is illustrated in the above photograph.

A Chicago firm (Electro-Technic Products Company), believed to be the only U.S. producer of the tubes, agreed to comply with the stop-sale directive and to notify distributors to return such tubes from their inventory.

If you are using one of these tubes at M.I.T., or using any vacuum tube operated at voltages in excess of 15 kilovolts, you should verify that its x-radiation output is properly controlled when the tube is energized. The services of the Radiation Protection Office (Ext. 2360) are available to measure x-ray output of such devices, and to advise on shielding and other radiation control measures.

INDOOR-OUTDOOR CARPETS

The 1969 fall issue of Family Safety issued the following warning on cleaning indoor-outdoor carpets, that may be of help to you.

"Never use an electric vacuum cleaner on a wet outdoor carpet-- you might receive a fatal shock."

"If an outdoor carpet becomes soaked by rain or during laundering, you can use a squeegee to remove most of the water, then lift the carpet for drying the underside. This is especially important if the floor beneath it is wood and likely to rot." Consult the manufacturer of the carpet via your dealer regarding cleaning methods to get the best results.

"It's Travel Time," a National Safety Council Guide to Safe Motoring, is a compact 28-page "tall book of trip tips" just about the right size to fit into your glove compartment. It contains information on itinerary, budget insurance, travel papers, equipment, special hazards of all highways, a trip record, and a handy pouch for receipts.

A limited supply is available, and while they last, may be yours for the asking. Just dial X4736 or X5246 and ask for "It's Travel Time."

