





### Carelessness Costs \$100 Millions p. a.

This year, by decree of the Governor General, the week of October 7th to 13th has been set aside for the observation of Fire Prevention Week.

Fire Prevention Week is observed for the express purpose of driving home, in a short space of time, a concentrated lesson in Fire Prevention, which should be remembered and practiced throughout the whole year.

Fire Prevention Week is always observed throughout the week in which October 9th falls. October 9th is the anniversary of the Chicago Fire, a day of unparalleled chaos and destruction. We should not need to be reminded of the terrible toll in lives and property that carelessness which fire can wreak, but unfortunately the lessons of the Chicago, Rimouski and Canabo fires, learned at great expense are all too soon forgotten.

### Husbands Wives! Get Pepp, Vim; Feel Younger

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The proclamation of Fire Prevention Week is a call to arms. An appeal to the citizens of our great country to take up the weapons of Fire Prevention and to stand firm in their resolve to press home the right and prevent the grim destroyer "Fire" from claiming its usual toll of lives and property.

While the greatest single property loss fires occur in our factories and large mercantile establishments, it must be remembered that over half of the fires in Canada each year occur in private homes.

It is here, in what we all consider to be our personal havens of safety, our homes, that the demon Fire seeks out its living victims and feeding gleefully on carelessness, snuffs out lives in a dancing horror of flaming destruction.

Fire is always a fascinating spectacle. People are drawn to a fire no matter what the hour, much as moths are attracted to a flame. They know that Fire can be the means of their destruction, but the flickering flames seem to hypnotize most of them into thinking that such destruction could never happen to them. How wrong they are! Fire can strike at each and every one of us at any time. When it is dictated only by our own actions. If we are careful, and make certain that all the common sense rules of Fire Prevention are practiced in our homes at all times, the chances are excellent that we will never be subjected to the horror and destruction of a fire.

If, however, we maintain the view that "it can't happen to us,"

and continue along in the same old careless way, trusting to luck to protect us, we must then be prepared for the rude awakening is almost certain to come along, sooner or later.

Three out of four fires are caused by: 1. Matches and Careless Smoking habits; 2. Faulty Electrical Wiring and Apparatus and 3. Heating and Cooking Stoves.

Over a ten year period, the careless discarding of lighted matches and smoking materials was responsible for nearly thirty per cent of all fires from KNOWN causes. One in ten fires of KNOWN causes is electrical in origin.

One out of every four or five fires is caused by faulty operation or careless use of heating and cooking appliances.

These brief statistics bring to light one important fact which must be remembered: The majority of fires are caused by careless use of three things, Matches and Smoking Materials, Electricity and Heating and Cooking Appliances—all three of which are found in almost every home.

Now that we know the causes of the majority of home fires, let us study the ways and means of eliminating these known causes. First: Matches and Smoking Materials: 1. Keep matches out of reach of children. 2. Keep plenty of sensible sized ash trays around the house. 3. Don't strike matches in any area where inflammable materials or dust or vapours may be present. 4. Don't smoke in bed. Careful observation of these simple common sense rules will help to keep you from making an "ash of yourself".

Second: Electrical Wiring and Appliances: 1. Don't be an amateur electrician. 2. Always insist on materials and appliances which bear the seal of approval of the Underwriters' Laboratories of Canada. 3. Don't overload electrical circuits. 4. Replace all worn electrical cords with new ones. 5. Don't use fuses with greater amperage rating than 15 Amps. If fuses are continuously blowing out, call in a competent electrician. Keeping these rules in mind and following them will help keep you safe from fire. Remember: Many a beautiful home has been lost, when a "home" electrician "got his wires crossed".

Third: Cooking and Heating Appliances: 1. Keep all heating and cooking appliances a safe distance (at least 18 inches) away from all combustible materials. 2. Never start a fire with any inflammable liquids, the results are usually quick but seldom painless! 3. Don't allow dirt, soot or grease to accumulate on heating or cooking appliances. 4. Never place ashes (even if they seem cold) in combustible containers. Check your heating and cooking appliances today and put these simple rules into practice. Remember that a nice safe steady heat will be a lot more pleasant this winter than a sudden roaring followed by a quick freeze!

These are only a few of the simple rules of common sense which can keep you and yours safe from the peril of fire. There are many more, and your "Board" Insurance adviser will be pleased to discuss them with you. We practice all our lives what we learn in school, let us resolve to practice all year what we learn during Fire Prevention Week. Then, and only then, can we expect to see a reduction in the staggering toll of lives and property which is our present monument to Carelessness with Fire!

### ENGINEERING DISPLAY GIVES GLIMPSE INTO FUTURE



Turn a couple of girls loose at the electronics and engineering display in Toronto and you can have a whale of a time operating the gadgets even if they have to use their imagination a bit. Helen Lang and Gloria Noakes have no trouble picturing themselves on a trip to the moon or some such distant spot as they stand by a model of a guided missile, the first to be made in Canada and still on the secret list for performance. The display has 500 exhibits ranging from automatic letter sorters, used by the Canadian post office, to underwater cameras monitored by television sets.

### JAPS, CANADIANS EXCHANGE SEEDLINGS



Canadian Ambassador T. C. Davies is accepting a gift of Japanese maple seedlings from H. Sato, vice-governor of Tokyo, in a ceremony at Tokyo's Hibuya Park. A group, headed by John F. Clark of the Ontario agriculture department, brought Canadian seedlings to Tokyo and presented them to the Japanese authorities as a good-will gesture. The Canadian group is studying Japanese horticulture and botanical specimens.

### Canada's Marvel Of Microwaves

With the completion of the microwave network to Winnipeg, "live" television programs produced in Toronto, Montreal and U.S. studios are being seen daily by viewers in Winnipeg. The Canadian TV "connected" network now extends 1,680 miles from the gateway to the St. Lawrence to the gateway of the west. Before the summer of 1956 the network will stretch 3,900 miles from Sydney, Nova Scotia, to Victoria, British Columbia.

An estimated 300,000 viewers in the North Bay, Port Arthur and Winnipeg areas became members of Canada's "live" television when the electronic link to Manitoba was opened on September 30th. (Viewers in the Sudbury area are due to be linked up soon). The eastern-prairie link was accomplished erecting a trail of steel rock-and-forested Ontario to the lakehead and finally through to the Manitoba capital.

Work is proceeding to make the microwave system truly national in scope by 1958 when the towers will stretch across the land from the Atlantic to the Pacific in the longest such network in the world. In addition to roving live pictures and sound for television viewers from one end of Canada to the other, the system when complete is to provide an almost unlimited supply of longhaul telephone circuits as well as a variety of other communication facilities.

Television programs and telephone conversations undergo similar processes when they are transmitted by microwave. The pictures the television camera sees and the words spoken into the telephone or microphone are converted into electrical impulses which are fed into the microwave system at terminal stations.

The microwave network is being built jointly by this country's seven major telephone systems grouped together in the Trans-Canada Telephone System. The chairman of the system, who is also president of The Bell Telephone Company, Thomas W. Eadie, says the completion of the network, "will constitute one of the most significant advances in the history of Canadian communications". An engineering task with few parallels anywhere, it will cost up to \$50,000,000.

Microwave transmission is one of the most recent developments in communications. Microwaves are super-high-frequency radio waves; the wavelength is about three inches. Because of the extremely short wavelength, microwaves have many of the characteristics of light. They travel in essentially straight lines at 186,000 miles a second, and once over the horizon tend to shoot off into space. This is why the range of reliable transmission is limited to line-of-sight paths, and the relay towers must be approximately 30 miles apart. These are usually placed on elevated sites such as hill-tops so that stations can be as far apart as possible. Experience has shown that a tower between 50 and 200 feet high will usually suffice, although some towers on the Canadian route will have to reach 350 feet above the ground.

Some towers are automatic to the extent that they become veritable "steel sentinels", equipped with alarm and control equipment which can answer questions and obey orders as well as call for help. Trained attendants are on duty at only a few key stations on the far-flung network. A group of up to 12 unattended stations can be connected by special telephone lines or radio circuits to an alarm and control centre. Warning signals received automatically at the alarm centre immediately determine at which station the trouble is located. By sending out a musical signal ordering the control system to examine individual alarms attached to va-

### \$15,500 RICHER AFTER 16-YEAR LEGAL BATTLE



Mrs. Irene Massey, a cleaning woman in the Senate at Ottawa, has won a 16-year fight for a pension because of the highway death of her husband when he was stationed at Camp Borden. She will get \$15,500 back pension. The charwoman's job has since supported four children, two of whom are now married. Mrs. Massey fought the 16-year campaign without legal aid. She plans to take a holiday and buy a home with the back pension reward.

### PUBLIC NOTICE

PROVINCE OF QUEBEC, DISTRICT OF ARTHABASCA IN THE MAGISTRATE COURT No. 11,709 ROLAND ROYER, plaintiff vs. Dame PAUL PARENTEAU, defendant. The defendant is ordered to appear within one month. Drummondville, October 9th, 1956. H. P. PRECOUX, G. C. M.

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