FRESH FROM CANADIAN SHIPYARDS

Flowing through calm off-shore waters of the Atlantic, five Canadian-built Corvettes, fresh from shipyards, with the rivets on their plates hardly cooled, head for the high seas to be put through their paces before being declared fit for service. Scores of these trim "pocket-size" destroyers, bearing names of Canadian cities and towns from coast to coast are joined in the grim Battle of the Atlantic to maintain vital life lines of the Allied Nations.

What Science Is Doing

SECRET GRAMOPHONE

The "synchrophone" is one of Britain's war secrets, says The Brockville Recorder and Times. It is no secret that even the makers of the gramophone records which are part of the invention do not see the pictures which complete it; nor are the picture makers allowed to hear the records.

The synchrophone is used for training certain service men. It is the joint work of an engineer, a recording expert and a man skilled in photographic layout. It is better than a film because it can be shown in daylight; and this is not the time to say more about it.

In other directions, Britain's gramophone record industry has been fully harnessed to the war effort. Already many training establishments in the RAF are making use of records either for the technical ground staff or for flying crews. The sounds of airplane engines, for example, are reproduced by gramophone for future pilots learning "blind" flying; and the sound of machine guns, of different calibres of shell and of various signals are also taught daily by gramophone.

Britain's recording engineers have added much to their knowledge in solving the technical problems with which they have been faced. The need to record with complete fidelity sounds never before heard on a disc has so broadened the spectrum of sound that tones are now being recorded three or four octaves above the highest note on a piano to a full octave below the lowest. Recorded sound has, in short, been pushed to the limit of the range of audibility, which will mean a more perfect recording of music when peace returns.

Advised To Sleep With Window Shut

A heating engineer from the University of Minnesota is the authority for this: Sleep nine months out of the year with your bedroom windows closed. You'll not only reduce your fuel costs, but you'll cut down the possibilities of colds, sinus infections and other disorders. And here's why —one window in your bedroom, weatherstripped and with a storm window on and closed, will infiltrate enough fresh air into your bedroom (provided your door is left ajar) to make sleeping healthful and comfortable for four adults in that room. He says a house "breathes" just as a person does and without the doors and windows being open.

Men Needed For The Reserve Army

Everyone Should Be In Active or Reserve Forces

The Reserve Army wants the banker, the broker, the clerk in uniform as well as the butcher, the baker, the candlestick maker, Maj.-Gen. B. W. Browne, Director-General of the Reserve Army, made clear not long ago.

The general said every eligible citizen should be in either the Active or the Reserve forces. That means, he said, that men of the so-called "white collar class" who are moderately or well educated are needed as buck privates as well as men who work with their hands.

The reason is that the Reserve Army must do its training in the spare time enjoyed by its members from their civilian occupations. The more education a man has the quicker he can absorb instruction. Thus it is possible to make a reasonably efficient soldier out of a man who has a fair education and is accustomed to using his mind in his work in less time than required to bring a man with little education and whose mind is not accustomed to absorbing information up to the same standard.

"After all, the Reserve Army may have to do some fighting with very little training," said General Browne. "The greater results we can show for the least training, the better."

In some Reserve Army units men are being divided into classes for training so that the slower members of the unit will not hold the others back. Thus the man who responds quickly to training will not become bored by having to repeat the same processes over and over again until the slowest men in the unit learn their lessons.

The Reserve Army recruiting program is rolling along well. Its object is to bring all Reserve Army units up to full strength, a total of more than 150,000 men.

America Seeks Alaskan Spruce

Sitka Spruce is Needed For Airplane Factories

America is turning again to her spruce forests for vital war material.

A quarter century ago, when the nation last was engaged in a great war, labor battalions went into the woods of the Pacific northwest and cut billions of feet of spruce for use in airplane construction.

Today the axe is being sharpened and the law set for the spruce forests of southeastern Alaska. The government has called upon western logging companies to harvest the vast stands of Sitka spruce for airplane factories.

Spruce grows more slowly in Alaska than elsewhere and develops longer, tougher fibres that better withstand the stress and strain of an airplane in flight, says Charles G. Burdick, U. S. forestry official who has been in the northern territory for 16 years. The wood is light and ideal for use in planes, he said.

Training ships are being made principally of wood, freeing metal for combat ships.

Burdick said the government hoped to log 15,000,000 board feet per month around Ketchikan with lumber companies in Washington, Oregon and other western states doing the work on contract. Sawmills in Alaska will cut some of the logs and the remainder will be towed to Puget Sound mills or to Portland. Final dressing of the wood will be done in northwest specialty mills.

Britain Builds Up Food "Laundries"

If gas should be used against Britain, arrangements have been made to safeguard the nation's food supplies against contamination.

It has taken some years to perfect the countrywide service which today stands ready to salvage any foodstuffs which may be exposed to gas. Air Raid Precautions experts were experimenting on the salvage of gas-contaminated foods before war begun and today, although no unit has had to go into action, the service stands at the alert, ready for emergency.

The backbone of the service is the growing chain of food "laundries" for cleansing the food, now built up throughout the country. The "laundries" are staffed by civil defence personnel, working in co-operation with the local authorities. It is estimated that these decontamination units could salvage ninety percent. of the food treated.

Do You Remember?

The inaugural ride of the horse and buggy sightseeing system was featured by a runaway at Niagara Falls. The new sightseeing carriage turns the clock back a quarter of a century when horse drawn vehicles were last seen engaged in the tourist business.

HOW CAN I?

Q. What can I use as a substitute for dog biscuits?

A. One can save money spent on dog biscuits, as well as make use of all leftover bread. Slice the bread and put it into the broiling oven. Allow it to get brown on one side, and then turn over and brown until quite hard. This makes a good dog biscuit; it affords splendid roughage and is a good tooth cleaner.

Q. How can I be sure of an even color when using a soap dye?

A. When tinting garments with a soap dye, put the cake of soap into a shaker and shake it in the water until you have the shade desired. This insures an even dye and clean hands.

Q. How can I keep leather auto upholstery in good condition?

A. To restore leather auto upholstery after it has been rained on, and to keep it in good condition, rub linseed oil into it occasionally.

Q. How can I stop a leak in a gas plate?

A. If you are using a gas plate with a tubing that leaks or smells, melt some paraffin wax and dip the leaky part in it, or dip it in all over. It will be as good as new. Painting metal gas hose with aluminum paint stops any leak and greatly prolongs its life.

Q. How can I prevent sticking dresser drawers?

A. Sandpaper and varnish the edges of sticking dresser drawers. The varnish will keep them from swelling and shrinking. It is a good idea to varnish or paint the inside of the drawers also.

"MIDDLE-AGE" WOMEN (38-52 yrs. old)
HEED THIS ADVICE!!
If you're cross, restless, NERVOUS—suffer hot flashes, dizziness—caused by this period in a woman's life—try Lydia E. Pinkham's Vegetable Compound. Made *especially for women*. Hundreds of thousands remarkably helped. Follow label directions. Made in Canada.

Have You Heard?

A young matron of our acquaintance, taking first aid training, has reached the resuscitation stage. One evening recently, returning from a Red Cross meeting, she observed a man, on a darkened side street, sprawled face downward.

"Aha," thought the matron. "Providence has sent me hither to minister to this poor unfortunate." Parking her car nearby, she rushed over and began giving the treatment for resuscitation.

Presently the man stirred, and looked up, spoke with great difficulty:

"Lady," he said, "I don't know what you're up to, but I wish you'd quit tickling me. I'm holding a lantern for a guy working down in this manhole."—Quote.

Mrs. Jones: "How's your son getting along in the Army, Mrs. Smith?"

Mrs. Smith: "What do you think? They've promoted Herbert for hitting a sergeant. They've made him a court martial."

Jack: "I've a friend I'd like to have you girls meet."

Athletic Girl: "What can he do?

Chorus Girl: "How much has he?"

Literary Girl: "What does he read?"

Business Girl: "What has he accomplished?"

Religious Girl: "What church does he belong to?"

Spinster: "Where is he?"

Farmer: "Let me tell you, my friend, that horse knows as much as I do."

Friend: "Well, don't tell anybody else; you might want to sell him some day."

When the old grandfather of a German family died, his sorrowing relatives put the usual announcement in the local newspaper. It ran:

"Ernst Muller has been called to a better world."

And next day they were arrested for criticizing the Nazi regime.

"What did the calf say to the silo?"

"I don't know."

"Is my fodder in there?"

The bus was, as usual, crowded and the party of five WAAF's found themselves hanging on the straps. Presently one bright member of the company said loudly to her friend: "I wish that smart, good-looking man would give me his seat."

Almost before she'd finished, five men stood up to offer their seats.

He: "I'm thinking of getting married; what do you think?"

She: "I think it's a wonderful idea if you ask me."

In 1936-37 the output of timber in the Belgian Congo was doubled and the maize crop trebled.

CUT EACH SMOKE FRESH FROM THE PLUG AND SAVE MONEY WITH DIXIE.
DIXIE
PLUG SMOKING TOBACCO

Packers Develop Dehydrated Meat

Product May Become Popular With Domestic Consumers

Disclosure that large scale lend lease export of meat is at hand, through a revolutionary shipping space-saving method of preparation, was heralded in the packing industry as a major development in the livestock-meat trade.

Meat is to be dehydrated and shipped in containers requiring only a fraction of the cargo room needed for transportation of a corresponding quantity during the last world war. Packers estimate enough meat can be packed into a military plane to feed a whole division for a limited period.

Of equal importance with the space-saving feature was disclosure that beef would be shipped to American allies and armed forces. This attracted special attention in the cattle industry, since up to now most lend-lease shipments have been pork and lard.

Saves Shipping Space

There were some estimates that the compressing of meat by the new process would permit shipment in one vessel of a quantity equivalent to the cargo of ten ships a quarter century ago.

The new method, developed by packers at the request of government officials, involves grinding of meat, pre-cooking, and drying in air dryers or vacuum. This produces small palatable pellets, to which it is necessary only to add water to make a substance almost identical to fresh ground meat.

Packers believe the dehydrated product eventually may become popular with domestic consumers. Their kitchen experts have worked out numerous menus for dishes, including meat loaf, hamburger, hash and combinations with vegetables.

Nearly 32,000 ponies and horses are now hauling coal in mines of England and Wales.

Modern Etiquette

1. Is it courteous for a person in a store to tell a clerk, "I am just looking around"?

2. When serving a breakfast between 11 a.m. and 12.30, should it be in the form of a breakfast or a luncheon?

3. What day of the week should a girl choose for her wedding?

4. What should a divorced woman do with the rings given her by her first husband, after she remarries?

5. How long should a woman remain when making a social call on a new neighbor?

6. If a hostess is going to serve cocktails, and has one or two guests who she knows do not drink them, what should she do?

ANSWERS

1. Yes. The goods are on display, and the person has this privilege, withot buying; but one should never handle the various articles. 2. A luncheon. 3. This is altogether a matter of choice; she may choose any day desired. 4. Some women dispose of their first engagement and wedding rings, while others wear them on the right hand. 5. From 15 to 25 minutes. 6. Provide tomato juice, or something similar for these guests.

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