CANADIAN NAVY MAINTAINS VIGIL

Canada's Navy keeps the seas: through fair weather or foul, in rain or fog, ships of the Royal Canadian Navy maintain their vigil at sea. Here one is seen, looming out of the mist, while in one of her consorts a seaman stands his watch.

Canada is celebrating "Navy Week."

Throughout the Dominion, from the Atlantic to the Pacific, in industrial centres and prairie villages, the Navy League of Canada is calling the nation to pay tribute to the men of the sea who are winning the war of the Free Peoples.

Navy Week, sponsored by the Navy League of Canada, in this second year of war means more than ever before to a Canada which has seen her Navy grow, since war was declared, from less than 2,000 officers and men to more than 25,000 officers and men — each of whom is helping in Canada's large part in the war at sea.

What Science Is Doing

WHAT SCIENCE IS DOING? .... SQUEAKING DIAMONDS

Touch a diamond and almost any pearl with a piece of dry ice and they squeak. Imitations don't. So reports Miss Mary D. Waller, of the London School of Medicine for Women.

The explanation is simple. When dry ice (solid carbon dioxide) is heated it turns at once into a gas and skips the liquid stage. Touch a metal plate with a point of dry ice, and heat passes from the plate to the dry ice, whereupon gas is formed. The stream pushes away part of the plate in front of it, whereupon it stops and the plate springs back. This happens about 1,000 to 4,000 times a second, so that we have high-pitched sound vibrations. Touch a piece of glass or some other non-conductor in this way and no squeaks are heard.

Miss Waller has learned the trick of producing continuous, very high musical notes from diamonds and pearls. A very light, steady touch is demanded to make a gem sing, and so is a sense of when the vibrations are about to begin.

—o—

OCEAN YIELDS MAGNESIUM

Recovery of metallic magnesium from seawater at Freeport, Tex., by the Dow Chemical Company of Midland, Mich., recently was called the outstanding chemical engineering achievement since 1940.

At the Freeport Plant, some 300,000,000 gallons of raw ocean water are daily processed to produce 100,000 pounds of metal as well as large quantities of bromine for anti-knock motor fuels.

Magnesium alloys (known as Dowmetal), are the lightest structural metals used in industry, being one third lighter than aluminum with comparable strength and toughness. Today 100 per cent of Dow's output goes into defence uses, particularly in castings for airplanes, each of which on the average will contain 1,000 pounds of this remarkable metal.

Modern Etiquette

BY ROBERTA LEE

1. Should word be sent to the hotel to hold the room that has been reserved if one finds he is unexpectedly delayed and cannot arrive on the day stated in his reservation?

2. Should the woman or the man precede when leaving the dining room of a hotel?

3. Should a man always assist a woman to enter or leave an automobile?

4. Is it all right to eject from the mouth to the floor the little specks of tobacco that separate themselves from the cigarette or the cigar?

5. Should some kind of amusement be provided for children while traveling with them on a train?

6. Are place-cards used at the informal luncheon?

ANSWERS

1. Yes. Because hotels do not hold the room if you are not there to claim it within a reasonable time after you have said you would be there.

2. The woman precedes, the man follows. Neither should forget the "good night" to the waiter or head waiter.

3. Yes.

4. This is exceedingly bad taste. Remove these particles from the mouth with the thumb and first finger and place them in the ash tray. It is best to do as little of this as possible.

5. Yes. It is too much to expect them to remain quiet in their seats without some kind of amusement, so take along some game or toy.

6. No; the hostess ives directions as to the seating, unless the guests are so many that place-cards must be used.

Science Has Hopes Of Defeating Moth

Science held out hope to the housewife and others today of making woollen articles safe from moths and heavy-handed laundresses. The Bureau of Standards and Textile Foundation of the United States announced discovery of a chemical treatment which shows promise of making wool less edible for moths, less sensitive to Alkaline factors in soap and less likely to shrink.

The production of maple syrup and maple sugar in Canada in 1941 is estimated in terms of maple syrup at 2,276,400 gallons.

How Can I?

BY ANNE ASHLEY

Q. How can I waterproof my shoes?

A. It is a wise plan to keep a comfortable pair of shoes on hand that are waterproof for out-door use. Apply a dressing made by melting together two parts of beeswax to one part of mutton fat. Apply at night, and remove the next morning by wiping with a piece of flannel.

Q. How can I clean a soiled felt hat?

A. Rub it very lightly with a fine grade of sandpaper, rubbing with the nap. Then rub over with a mixture of salt, cornmeal, and gasoline and allow to stand in the air for a while.

Q. How can I prevent icing from hardening if I am interrupted by the doorbell or telephone while icing a cake?

A. Place a damp cloth over the bowl containing the frosting.

Q. What are some of the values of various vegetables?

A. Lettuce is good for the nerves. Beets and turnips contain iron. Tomatoes are good for the liver and stimulate it. Celery is good for rheumatism. Spinach is good for the bowels. Carrots are good for clearing the complexion. Asparagus is good for the kidneys.

Q. How can I mend a loose umbrella handle?

A. If the umbrella handle becomes loose, pour some melted resin or sulphur into the hole. Quickly force in the umbrella rod and hold for a few minutes until the substance hardens.

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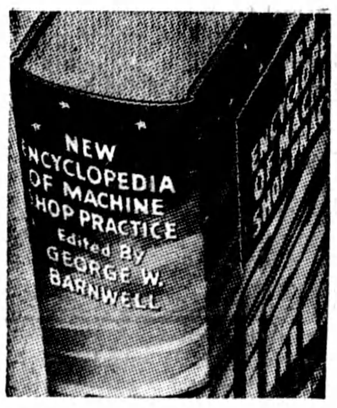
Army experts at Camp Upton, N.Y. interviewed and classified 55,000 new soldiers without batting an eye. Then came Private Leonard Braverman, of New York. They asked him what his civilian occupation was so they could assign him to a somewhat similar task in the army.

"I", he replied, "was a girdle cutter."



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ISSUE 44—'41

HAVE YOU HEARD?

"Did you hear about Jones and his car?" said Brown to his neighbor over the back fence.

"No, what about it?"

"Well you know, it's a very old car, and odd bits are always falling off when he goes for a ride. So he got the idea of tying a magnet behind to pick up the parts which dropped."

"Smart idea, anyway."

"Yes, but in the end Jones found himself riding on the magnet!"

"Yes," said the great man, "I woke up one morning and found myself famous."

"It was slightly different with me," sighed the other. "I found myself famous—and then I woke up."

General: "Confound it sir; why can't you be more careful?"

Selectee: "What have I done, sir?"

General: "Instead of addressing this letter to the Intelligence Officer, you have addressed it to the Intelligent Officer, you should know that there is no such person in the army."

'And what is a synonym, Willie?" asked the teacher.

"A synonym," said Willie, "is a word that you use when you can't spell the other one."

A friend called up a guest at a hotel, knocked, and asked him to open the door.

"Can't; door's locked," the voice within announced.

"Well unlock it!"

"Can't; have no key."

"Great Scott, man? What will you do if there's a fire?"

"I can't go."

Mother: "Billy, why are you making your little brother cry?"

Billy: "I'm not. ..He's dug a hole and he's crying because he can't bring it into the house."

It was bedtime, and Mrs. Jones was overlooking the evening toilet of her small son.

"Oh, Tommy!" she exclaimed, "look at your hand! It's all scratched and bleeding. How did that happen?"

"Well, you see, mother, those were awfully sharp teeth Jimmy Johnson used to have."

"I want to buy a petticoat."

"Certainly, madam; fancy dress and period costumes on the third floor."

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Nazis and Turks Sign Barter Pact

Conclusion of a German-Turkish trade treaty involving 200,000,000 Reichsmarks (nominally $80,000,000) on each side was announced recently. It will run until March 31, 1943.

A spokesman said that the pact, signed at Ankara, called on Germany to send war material and iron and steel products in return for Turkish exports of raw materials, particularly cotton, tobacco, olive oil and minerals.

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