

Highly Useful Rock: Limestone

Canada Has It in Large Quantities — Chemical Industries Need It

Limestone is the most useful of all rocks, and occurrences of limestone suitable for its many applications are abundant in the Dominion of Canada. A new market for white, high-calcium lime has been created by the use of calcium carbonate filler in place of imported clay in newspaper and magazine paper, and largely for this reason considerable interest has been also shown recently in deposits of high-calcium limestone in northern Ontario because of their proximity to mines and to pulp mills.

IN CONSTRUCTION AND AGRICULTURE

With about 85 per cent. of the current production of lime being used in the chemical industries, the old conception of lime as being primarily a structural material is no longer true. New chemical uses for lime are continually appearing, a recent instance being its use in the manufacture of a new plastic from pulp-mill waste liquor that promises to be one of the cheapest of all plastics. Lime also finds many uses in metallurgical processes and in construction, agriculture, and other industries.

Canada's Armed Forces Soon To Number 119,534

Strength of Active Force in Men of All Ranks and Services — 25,600 Non Overseas

The Director of Public Information at Ottawa last week announced the strength of Canada's active forces soon will have reached a total of 119,534 men of all ranks and services. Included in the total are 81,134 men already on active service and approximately 38,400 to be recruited or called up.

The total is made up as follows:

FOUR DIVISIONS	
New Overseas	25,600
Second Division	19,000
Third Division	12,000
Fourth Division (rifles only)	9,000
Veterans' Defense Guard	3,000
Veterans' reserve	9,500
Coast defense	10,650
Home guards, etc.	6,161
Miscellaneous	812

NAVAL SERVICE	
Present strength	6,600
Additions	33,400

AIR FORCE	
Present strength	12,200
Additions	5,000

*To be recruited or called up.

Canada's Defense Minister Meets Tragic Death



Hon. Norman McLeod Rogers, Minister of Defence in the Mackenzie King Cabinet, met a sudden and tragic end when the Air Force bomber in which he was flying to Toronto crashed to the ground east of Bowmanville. His passing was deeply mourned by the entire Canadian people.

Rain Engenders More Mosquitoes

Heavy rainfall of the month of May has bred millions of rainpool mosquitoes in Ontario and a massed mosquito "bitzkrrieg" may begin very shortly. This information came from Dr. Arthur Gibson, Dominion entomologist, and Prof. W. H. T. Baillie, of the University of Toronto.

THEY'RE STRONG FLIERS There will be lots of mosquitoes this year due to the rainpools. Dr. Baillie asserted. "This type of mosquito is a strong flier because they are forced to find other bodies of water when their rain-pool habitats dry up.

"The sanitation division has already been out for a week spraying pools," Dr. Gordon P. Jackson, M. O.E., said last week. Spraying with DDT kills mosquitoes in the larvae stage, and is found more satisfactory than "swotting" them. The spraying, he said, would be continued all during the warm weather.

Britain's Coast Anti-Air Defence Posts Stand Ready For Foe



In the sand dunes along the British coast anti-air defence posts stand ready to do their bit in repelling any attempted Nazi invasion of England. This large calibre coastal-defence gun, lifts its head in challenge to any invader. Note the barbed wire entanglements about the gun.

Modern Etiquette

BY ROBERTA LEE

Q. When a guest brings a gift to his or her hostess, isn't it unbecoming for the hostess to say: "You needn't have done that," or some similar phrase?

A. Yes, it is very ungracious for the hostess to say such a thing which implies that the guest did it, not from a sense of appreciation and generosity, but merely as a duty.

Q. How long should a guest remain after a luncheon in a friend's home?

A. Thirty minutes to an hour is sufficient, unless the luncheon is followed by cards or some other entertainment.

Q. Should a man wear a white tie with a tuxedo?

A. No.

Q. If a young man sends a girl a corsage to wear to some particular affair, but the flowers do not harmonize with the one suitable gown she must wear, what should she do?

A. Wear them anyway, or carry them. It would be very rude to leave them at home.

Q. Isn't the bridegroom privileged to wear any kind of clothes he prefers, for the ceremony?

A. No. He should choose his clothes to correspond with the formality of his bride's dress.

Q. Is it correct to address an elderly housekeeper as "Mrs." or "Miss"?

A. Yes.

HAVE YOU HEARD?

The oldest inhabitant had just celebrated his birthday, and a reporter from a local newspaper was there to interview him.

"And, tell me, what would you do if you could have your time all over again?"

There was a long silence, while the oldest inhabitant appeared to be deep in thought.

"I think I would part my hair in the middle," he replied.

Teacher: "Why, Mary, that's a queer pair of stockings you have on — one green and one brown."

Mary: "Yes, and I've got another pair like these at home."

A man was boasting of his own strength, and how he had once felled an ox by a blow from his fist.

"That's not bad," said a listener, "but I once saw a chap knock down a factory with one blow of a hammer."

"Eom, Samson, that chap!" the boaster sneered.

"No," replied the other, "he was not much of a chap to look at, but he was a jolly good actioneer!"

An American prison provides pocket-money, four meals a day, tobacco, radio and films for inmates. Guards are posted on the walls to prevent attempts at escape by the public outside.

Some of the passengers were relating their experiences of fogs.

"Yes," said the old salt, "I've seen pretty thick fogs in my time. Why, off the coast of Newfoundland the fog was sometimes so thick that we used to sit on the rail and lean against it! We were sitting one night, as usual with our backs up against the fog, when suddenly the fog lifted, and we all went flop

into the water. A bit thick, wasn't it?"

"Hurry up, Harry! I simply must go out and show off my new dress."

"Wait a minute. I simply must cut the frayed ends off of my coat sleeves."

Ontario Plans Refugee Care

Province Expects 500 Children Every Two Weeks

Plans for the care of British and French refugee children in Ontario are rapidly approaching completion. Hon. Eric Cross, Minister of Public Welfare, announced last week.

The province's plan provides for the establishment of a central clearing house in Toronto where the children will receive complete physical examination and any necessary immediate care. They then will be placed in private homes.

It was learned that the Ontario government expects to accept 500 children every two weeks and that their ages will range from eight to fourteen.

What Science Is Doing

NEW ANTISEPTIC

Another new antiseptic solution to control bacteria in wounds, just announced, is a form of chlorine, the deadly poison gas which combines with water in the lungs or on sweaty parts of the body to form hydrochloric acid.

The solution, known as "Azochloramid," can be applied in wet dressings directly on a wound and by the slow liberation of chlorine it attacks germs directly.

COLOR PHOTOS OF INSIDES A device for making color pictures of the inside of the human body is announced by three Atlanta, Ga., physicians.

They have adapted a miniature color camera to a cystoscope, one of the four types of telescopes used to explore inside the body, and made photographs of the bladder's interior.

Experts in surgery declare that the camera also might be adapted to instruments used to examine the interior of the head, lungs and stomach.

INFANTILE VIRUS? Definite proof that sewage carries the virus of infantile paralysis during even a small epidemic of this disease is announced in the Journal of Experimental Medicine.

The virus is the cause of infantile paralysis. Where it comes from or where it hides between epidemics is a medical mystery, whose solution is sought as a possible means of combating the disease.

The virus was found in sewage of three U. S. cities during small epidemics last summer.

HEALTH TOPICS

Hay Fever

Hay fever can be cured, says Dr. John W. S. McCullough of the Health League of Canada. The larger number of cases are caused by pollen from wind-borne plants, including certain grasses, weeds, especially ragweed, and trees. Flowering plants such as the rose, dandelion and goldenrod should be blamed. Certain foods, powders, animal dandruffs and feathers may act as causes.

But everyone does not contract hay fever. It occurs in persons with an inherited sensitivity to one or other of the causes. Over 80 per cent of persons who suffer from hay fever or asthma have inherited a sensitivity to the various agents.

Chief Causes:

- (1) Grasses such as timothy, red top, blue grass and others.
- (2) Trees such as the cottonwood, oak of many species.
- (3) Weeds, of which the chief offender is ragweed. It is said that 70 per cent of all hay fever victims in America owe their trouble to common ragweed and related species.

Hay Fever Seasons: Grasses and trees as a rule, cause attacks in the Spring and early Summer, whereas weeds are the cause of late summer and early Fall attacks.

Methods of Treatment

In Canada, the common ragweed, the chief offender, is found at its worst in the southwestern peninsula of Ontario, and almost equally so in the rest of settled Ontario and Southern Quebec. Through all the sparsely settled North, from Gaspe to Rainy River and even on the open prairie, the ragweed found is usually the related perennial ragweed of the West or the great rather sparingly eastward. Relief depends on:

(1) Getting beyond the bounds

of the weed. The best method is to get to the coast, where the wind carries the pollen to the sea.

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of the plant to which the individual is sensitive, or

(2) Having determined what pollen is responsible, submitting to desensitization with the appropriate pollen extracts for protection.

Change of Climate: Sensitive persons should get away in the hay fever season to resorts on the north shore of the St. Lawrence, on the Gaspé Coast or near-by Lake Superior or Rainy River. Comfortable places to stay will be found in either area.

DESENSITIZATION Desensitization Treatment: A series of small scratches is made on the surface of the skin without piercing the true skin. On these scratches extracts of pollen, animal dandruff, foods or dusts etc., are placed. If a hive or reddened area is produced by one or more of the extracts used, it is an indication that the individual is sensitive to that particular product. Having discovered the cause or causes, the next step is to desensitize by injecting a small quantity of the offending agent or agents.

Treatment should be begun 2 months before the season when the attack usually occurs. If the attacks are due to pollen, it will be necessary to continue the desensitization for 3 or 4 years. Most of the sufferers will say

WHAT CHEW LASTS LONGER?

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that, having gained a cure, it has been worth while.

While working on a film, Bette Davis has six large glasses of milk in the course of a day.

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