

WHAT SCIENCE IS DOING

New Drug from Whey

Canadian farmers will soon be playing an important part in the control of such diseases as typhoid and dysentery. Milk sugar extracted from whey and fed to the penicillin mould from which penicillin is refined, will be used to produce the new wonder drug.

Canadian Drug Manufacturers streptomycin. It has been understood to be planning full scale production of streptomycin in the near future. This drug is outstandingly effective against diseases caused by gram negative bacteria, comparatively few of which are suppressed by penicillin.

Production of both drugs in Canada has been made possible by the Dominion Department of Agriculture's organizing the collection of whey from cheese factories in parts of Eastern Ontario and Quebec. Transported in tank trucks to a condensery in New York State, the whey is processed into milk sugar and whey powder. Most of this milk sugar and some of the whey powder returns to Canada, the sugar for use in drugs and baby foods and the powder for enhancing the vitamin content of live-stock feeds.

Tens of millions of pounds of Canadian whey have been converted to these special products in the past two and one-half years.

Princess Elizabeth A Very Human Girl

Her Royal Highness Princess Elizabeth has taken another step toward full adult status by going on her first after-theatre supper party, unattended except by the other youthful members of her party, relates the Windsor Star. The picture of this young woman dancing until past midnight in a public restaurant is an appealing one. It means something to Briton all over the world.

In few monarchies could such a precious personage go about so unprotected and in such perfect safety. Few of her rank in other countries would want to do so. The sheltered little Princess is growing up into a very human young woman, and every such incident in her career brings her closer to the hearts of her people.

Use of Coal Once Considered Illegal

Coal is front-page news today. It is difficult to realize that there was a time when coal was highly unpopular. Legislation was introduced to prevent its use, says Toronto Saturday Night.

In the reign of King Edward I coal was regarded with the deepest suspicion and disfavor. Its use was forbidden in London.

The penalty against infringements of this law was most severe—a large fine or even the suspension of a business. One Londoner was convicted and sentenced to death for breaking it.

3,000 D.P.'s Return To London Daily

The Displaced Persons of Britain are on the move. No use giving them official warnings about shortages of houses and food stocks in their old districts. No use keeping transport dear and uncomfortable. No use applying the Essential Work Order as a kind of foot-and-mouth standstill for 8½ million workers. The tide of human beings flows back irresistibly from where it was put to where it belongs. Most of the British D.P.'s are making for London, for it was from London that evacuation, organized and voluntary, was greatest. How many have come back? One estimate puts the increase in population of London since the war at 1,500,000. The records of the Ministry of Food show that in the last three months there has been an increase of 278,000 in London food registrations. Every day there are 3,000 more mouths to feed in London than there was the day before.

Match sticks are treated with ammonium phosphate to prevent lingering embers after the flame has been blown out.

Allies' Greatest Hoax Of War

Strips Of Tinfoil Dropped By Allied Planes Jammed Nazi Radio Communications

Where was the German Luftwaffe on the night before the European invasion?

The question has been asked but not answered, many a time since that day, June 6, 1944, when a tremendous Allied fleet put ashore in Normandy—the greatest invasion force in all history, writes a correspondent of the Christian Science Monitor. The men who manned the ships and the soldiers who waded ashore each thought it a very important question.

There were Luftwaffe units in the area, and the query still persists. What were they doing, and where were they?

The answer given to the public recently for the first time, hands a well-deserved accolade to a small, little-known, but extremely hard-working group of airmen.

From planes loaded with 9d n4 Planes Loaded With "Window" From air stations in the Midlands and north of England on that never-to-be-forgotten night, 30 aircraft took off into the fast-growing darkness loaded with "window." "Window" is the code name applied to a thin metallic strip of foil, the same kind of tinfoil used on chewing gum and candy wrappers before the war. This foil was cut into thin strips and packaged, several thousand strips to a bundle weighing two ounces. "Chaff" when thrown from a plane has the same effect on a radar scope as the plane itself. A number of these loosed successively in the air causes the real targets to become indistinguishable, and the effect can best be likened to an electrical smoke screen.

Feint Successful These 30 planes rendezvoused over the coast of England, across from Calais. Flying at an altitude of an air-borne mission toward France, they threw out their "chaff." The scopes of the German radar warning net registered a great fleet of aircraft coming, and the Luftwaffe was ordered to intercept.

The Royal Air Force planes circled the area in which the German fighters were waiting, and with special transmitters jammed ground air radio communications, keeping the Germans in the air until out of gas, preventing their diversion to the actual invasion point. Allied planes flew over naval vessels, dropping "chaff" which gave the same effect on German scopes as a co-ordinated naval invasion armada. All this was carried on around the Calais area, while the real invasion force went somewhere else!

Thus it was that a successful feint was made through the use of radar countermeasures and the first phase of the greatest invasion feat in military history was on its way without mishap.

There is no prospect of meat and butter rationing being lifted in Australia before 1947, according to Federal Commerce Department experts. Although the end of the war brought a sharp decrease in service demands for these two commodities, all surpluses above minimum home consumption requirements will have to be exported to maintain the peoples of Britain and relieve distress in liberated areas.

Rations Down Under Will Not be Lifted

Officials disclosed that Australia already is sending substantial supplies of processed milk to Borneo, Singapore, Shanghai, and Hong Kong.

Match sticks are treated with ammonium phosphate to prevent lingering embers after the flame has been blown out.

AWARDED DSC



Mary Masuda takes DSC and pins it on her mother, Tamae Masuda, after accepting it from Gen. Joseph Stilwell in a moving ceremony at Masuda ranch home near Santa Ana, Calif. Medal was for her son, Kazuo Masuda, a Nisei hero who died in action in Italy.

Rationing Ensures Even Distribution

From the great mass of figures presented to the food production conference one thing stands out—that Canadians are eating today more of almost everything than they did before the war, and this despite rationing, says the Ottawa Journal. In other words, considering the country as a whole, rationing is no hardship, but is an effective means of even distribution.

They Shouldn't Die

Children are dying of diphtheria says Major General Chisholm, "because of the ignorance, prejudice and negligence of their parents", and the time will come "when parents allowing their children to die unnecessarily will be charged with manslaughter". Strong statements, but true, says the Ottawa Citizen.

In winter the staple food for the Eskimo is boiled seal and walrus meat.

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First Known Case of DDT Poisoning

The first known case of fatal poisoning by DDT was reported last week in the current issue of the British Medical Journal.

The Journal said that the 10-month-old child of a West African soldier died after drinking approximately one ounce from a bottle of DDT and crude paraffin mixture. Tests, the Journal said, proved the insecticide and not the paraffin caused the death.

The Journal also reported that tests at the Royal Naval Physiological Laboratory had revealed a grave hazard of "DDT intoxication" for persons using concentrations of the insecticide.

It said persons exposed to DDT were affected by smarting of the eyes, tiredness, heaviness and aching of limbs, irritability and a feeling of mental incompetence.

One subject of the experiments had to stay in bed for a day, it added.

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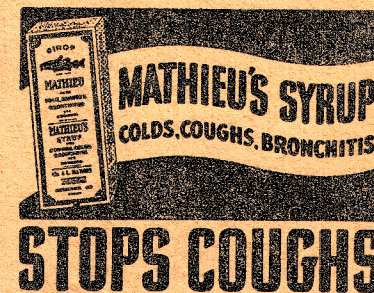
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