What Science

* Is Doing *

DRUG ATTACKS PNEUMONIA

LONDON, England. - A drug

that attacks rneumonia by break-

ing down the capsules or shells of

the bacteria and allowing the white

blood corpuscles to vanquish the or-

ganisms points the way to a new

line of medical research, experts

Two physicians at St. Bartholo-

mew's Hospital, reporting in the

Lancet, describe results of pneu-

monia treatment with a new mem-

ber of the so-called "sulphanilamide

group" of drugs, "M and B 693",

named after the makers, May and

NORTHERN LIGHTS MAKE

NOISES

could hear sounds from the heavens

during displays of northern lights,

but most of the observers were

without scientific training. A re-

port by Professor Carl Stormer, of

the Institute of Theoretical Astro-

physics, Norway, states that during

the great auroral display on Janu-

ary 25 and 26 members of his staff

distinctly heard sounds which they

associated with the movement of

the white beams in the lights, and

reports from outside observers con-

LISTEN TO BLOOD STREAM

HAMILTON.-Medical men at-

tending a clinic at the General Hos-

pital here saw a demonstration of

an amplified stethoscope, a new in-

strument which actually "broad-

casts" movements of the organs of

The demonstration was one of

the body and the blood stream.

firm their findings.

Many persons have claimed they

believe.

Baker.

strain which is sure to be felt as

the Chinese war keeps on. War

essentials are now rationed (no

more cotton cloth or iron pro-

ducts may be manufactured for

domestic use); imports, save of

war materials, are curtailed; the

government is controlling prices

Says Japanese War Minister

Itagaki: "The war will continue

a long time. Chiang Kai-shek may

attempt to continue hostilities

throughout his lifetime and as

long as Chiang continues, Japan

must continue. Consequently, it

is necessary that the Japanese re-

solve to continue fighting at least

Political observers are prac-

tically unanimous in their view

that, at the rate she is now going,

Japan cannot possibly last those

BUMPER CROP: Hold your

breath now lest something happen

to spoil Western Canada's chances

for a bumper wheat crop this

year. At the moment, everything

is all set for the fulfilment of our

Prairie farmers' best hopes, mois-

The next two weeks will be de-

cisive ones. Better times for all

of Canada will result if present

NEXT OBJECTIVE: Poor lit-

tle neutral Switzerland is shiver-

ing in her shoes. Within her

borders dwell 3,000,000 German-

speaking people, a juicy bite for

Herr Hitler whose avowed pur-

pose is to unite all the German

race into one nation. Switzerland

shivers in spite of the assurance

given by Berlin last week that no

German troops would march

through her territority in event of

war. One reason why she quakes:

German Field Marshal Goring re-

cently published in his "National

Zeitung" map of Greater Ger-

many, prepared by Reich propa-

gandists for "chool use, which pic-

tured practically the whole of

Switzerland as belonging to the

Reich. The Swiss frontier is "the

boundary of the internal separa-

tion of the German people," an-

nounced Goring's news-sheet and

claimed Switzerland's 3,000,000

Germans as "exiled citizens of the

In France, however, the belief

is current that the next Hitler

"putsch" (now that Czechoslo-

vakia has him stopped for the time

being) will result in the annexa-

tion of Danzig. The capture of

this Baltic port would be an easy

walk-over, would restore Hitler's

Expect developments in that di-

rection, then, not many week-ends

and tissue pressure and of using

them to foretell the course of ill-

ness before the patient himself

tissue pressure rises. In health

the abdomen skin has the greatest

elasticity, six times as much as

that of the shin bone, and twice

as much as the skin on the back

The pressure in the tissues of

the back of the hand is equal to a

column of water half an inch

deep. From this lcw it ranges up

to an inch-and-a-half of water for

leg tissues. But in some diseases

these tissue pressures are multi-

"The diseases are heart edema,

kidney troubles, pernicious anem-

ia, peritonitis, pregnancy toxem-

ias, malnutrition and sclerodema.

The latter is the "steel skin" de-

scribed by Sir William Osler. The

skin loses all its elasticity, until

fingers cannot bend and finally it

plied up to 10 or 15-fold.

In disease the skin tightens; the

German Reich".

flagging prestige.

feels a change.

of the hand.

cracks.

crop conditions hold.

ture conditions Leing just right.

of commodities.

ten years."

ten years.

SUNDAY COMPANY: Take a drive through Eastern or Western Ontario's agricultural areas of a Sunday afternoon, and what do you see in every farm lane? Two or three swank cars standing empty after bringing a load of visitors from the city or nearest big town to sponge on their poor farmer friends and relatives for the day. And there you see the company, rocking back and forth on the verandah chairs while the farmer's wife, up since dawn, slaves in the kitchen in mortal fear lest the table won't "groan" enough to suit those limitless city-bred appetites, always ready for another meal.

Sweet are the uses of hospitality but they can't stand too much strain. If the farmers of Ontario were not such out-and-out individuals, they would long ago have risen up in a body to protest against their Sundays being taken away from them in such inconsiderate fashion.

But even though the farmer may never go on strike for a free Sunday, some day he will murder the occupants of the first car to turn into his lane of a Sabbath morn. And the jury will acquit

SENATE KILLED IT: The people of Canada felt that at last they were getting some action. when, following the report of the Royal Commission probe into the Dominion's prisons, the Government gave notice of its intention to carry out some of the recommended reforms, to establish a three-man Commission to administer Canada's penal system. But the Senate killed the bill as it was rushed through on the final day of the parliamentary session.

Prison reform in Canada thus given an indefinite setback because our parliamentarians were in a hurry to get away for the

A GRIM LAUGH: Vociferous profests from the British people led by the parliamentary Opposition caused Prime Minister Chamberlain last week to make a real fuss about the consistent bombing of British ships by insurgent airmen in Spain (55 British vessels have been sunk in two years with corresponding loss of life).

But the ironic part of it is that Mr. Chamberlain asked Mussolini to ask Franco to stop the bombings, when everybody knew that Italian planes were responsible for the outrages! A laugh indeed, but a grim one.

FEELING THE PINCH: Pulling in her belt another notch at bome last week, Japan is preparing for the greater and greater | off.

The Human Skin

Doctors Foretell Course

Disease by Its Elasticity

Ability of the human skin to

stretch is a newly discovered

prognosticator of death or recov-

The methods of using skin

stretch, worked out at Tulane

University school of medicine.

were reported to the American

Medical Association by William A.

Soderman, M.D., and George

When It Tightens

"the outer defense of the body,"

changes its elasticity during

disease. The change is connected

with alterations in the pressure

of body tissues. The Tulane phy-

sicians have worked out methods

of measuring both skin stretch

The skin, which doctors call

Burch, M.D.

ery in several serious diseases.

Is Illness Clue

Is An Asset

A Good Voice

An Unpleasant One Ruins the Whole Effect Otherwise Produced by One's Personality.

It's a mistake for any girl to work hard to improve her figure, hair, skin and her taste in clothes but ignore completely the fact that she has an improperly placed, unpleasant voice. Because, no matter how attractive she is, unless her voice has a fairly soothing effect on others, they just aren't going to listen to her-not for long anyway.

To say that a girl has a nice voice doesn't necessarily mean that she has a low voice. It can be high and still be pleasant to the ear.

Breathe Correctly One good way to begin a voiceimprovement campaign is to do a breathing exercise regularly until you breathe correctly all of the

time without thinking about it. Do practice speaking slowly and enunciating correctly. : Nothing is worse on anyone's nerves than having to listen to a woman who rattles on, slurring words together and speaking so rapidly that half she says can't be understood at all.

The exercise to correct had speech is as simple as the breathing exercise that will tend to improve the voice. Just read aloud for fifteen minutes every day. Go to your room, close the door, then read. Listen to yourself and try

Lobster-eating Champ Charles A. Young won the world lobster-eating championship at Atlantic City by eating 22 lob-

sters in 2 hours.

Silica, sand, salt and limestone or lead, the four principal substances necessary for glass-making, are well distributed throughout the world. Nearly all the materials necessary for the many branches of the glass industry are obtainable in the United States.

VOICE

CANADA THE EMPIRE

of the

THE WORLD AT LARGE

PRESS

CANADA

Farmer's Utopia

The farm without weeds is either owned and operated by a master farmer, or the soil is so poor that nothing will grow.-Farmer's Advocate.

Not For Him And then there is the story of the motoring fiend who had his first ride in a trailer. He nearly went mad because he couldn't pass the car in front. -Toronto Saturday Night.

Where The Taxes Go Where some of our taxes go: To pay interest charges on the public debt of Canada, makes necessary a weekly outlay of \$2,750,000. Try working that out in days and minutes.-Niagara Ralls Review.

Sometime We'll Learn The Highway Traffic Act now makes it clear that passing another vehicle on the right is not permitted, and no exception is made in respect of street intersections, but

the news does not seem to have got around. Public Service Its Purpose This is something The Journal has sought to emphasize all along: the clear fact that interest on the national investment in the Canadian National Railways is and must

be in resulting public service; just as the interest on investments in many other public works-aids to navigation, harbors, post offices, etc.-is and must be in public service. In other words, to put the thing briefly, transportation, in a land such as Canada, is a basic and essential government function-its cost a part of the cost of government; of the national existence .-Ottawa Journal.

The Dictionary Says So

Those who lost money some years ago betting that "transpire" didn't mean "sweat," are now being asked to lose some more by people who say they can produce dictionary authority for accenting the noun "envelope" on the second syllable. And they can. Funk and Wagnall, Century and the New Imperial give this as the preferred accent. As for pronouncing the first "e" like the "a" in "alms", some authorities favor that too, but the Oxford English dictionary, while

admitting it is permissible, says there is no good reason for giving this French sound to a word that has been Anglicized in spelling

Not "News"

We just thought we'd tell you that: There are 48 nations in the world still at ace. A large number of autoists drove safely and courteously through Vancouver streets yesterday. Several million Canadians are working and drawing regular pay cheques. We saw people laughing this morning. The mangle-wurtzel crop is good this y ar. Most people really like spinach. A girl and boy sat on a Victory Square bench at lunch-time yesterday, and lost track of the world around them as they looked in each cher's eyes. This isn't news, but we thought we'd tell you. Sometimes we get so fed up with news that we like to stop and think

The EMPIRE

of things like these. - Vancouver

Tools For Peace Construction It is reported that when the League Council assembled on the last day of its recent session at Geneva a spectator in the gallery stood up and shouted: "I speak for the people of Europe! Long live Peace! Long live the League and the United States of Europe!" He was promptly ejected by detectives. In the circumstances, perhaps, this was wise; for the 101st session of the Council will surely go down on record as the most depressing in its history. In considering the present sickness of the League, however, it is important to distinguish between cause and effect. The cause, as has often been pointed out, is no fault in the organization or principles of the League but the weakness and stupidity of its members. So when, recently, the Council rejected Spain's appeal, gave but cold comfort to China, and encouraged the abandonment of Abyssinia, these were the failures of Governments and, in particular, of the Governments of Britain and France. Such failures may be disastrous, but they need not directly affect the structure of the League of Nations. In time new and different Governments will be elected to power which, by using the same tools as those now thrown down, will construct peace in Europe.-Manchest-

nearly 200 years .- Toronto Star.

the features of a two-day program. VACCINATION FOR CANCER TORONTO.-Vaccination against experimental cancer is being successfully carried out in the laboratories of the department of medical research, University of Toronto, in the Banting Institute. To date it has been proved effective in mice, against chemically induced cancer and will have to be tried out on monkeys when further de-

After that, its application to human beings would be considered, Dr. W. R. Franks, assistant professor in charge of the work, says.

NEW ELEMENT TOO ELUSIVE TORONTO.—The chances of man ever discovering or seeing the element "illinium," one of the few mis-

sing links in the table of elements, have vanished.

Dr. T. R. Wilkins, of the University of Rochester, Rochester, N.Y., told the American Physical Society meeting here last month that a new method of precise chemical analysis indicates the element either does not exist or at most comes into existence and vanishes again in a few millionths of a second.

Illinium has been the most elusive of the elements and was so named by a group of University of Illinois physicists who made the nearest approach to isolating and identifying it. It is one of the socalled "rare earths," samarium and neodymium being its nearest neighbours.

Crop Outlook Is Favorable For Ontario

Department of Agriculture Report Shows Bountiful Harvest for Most of Province; Damaged Tobacco Replant-

TORONTO.-Spring rains and warm weather have brought promise of good crops in most parts of the province, the Ontario Depart-

ment of Agricultur; announces. The report says: "A new industry in the form of an alfalfa dehydration plant is in full swing in the Oakville district. This plant is merchandising approximately 20

tons per day." Look Promising North Simcoe reported that frequent and heavy rains in the past two weeks "have promoted very rapid growth," although damage was heavy in the north part of the county from a recent storm. Prince Edward County, in Central Ontario, reported that "all crops look promising."

"Hay crop is looking very good as we have had plenty of rain, but the grain crop is probably damaged by a little too much rain," the department's representative in Cochrane said. The report added that "all crops, however, looking better

than average." Abundant Feed

Pastures in Middlesex County generally are in excellent condition with abundant feed for all kinds of livestock. Spring grains there will have a fair length of straw while corn and roots "are rather backward because of cool weather, but in most instances are a good stand."

Britain is aiding emigration to Australia. A-C

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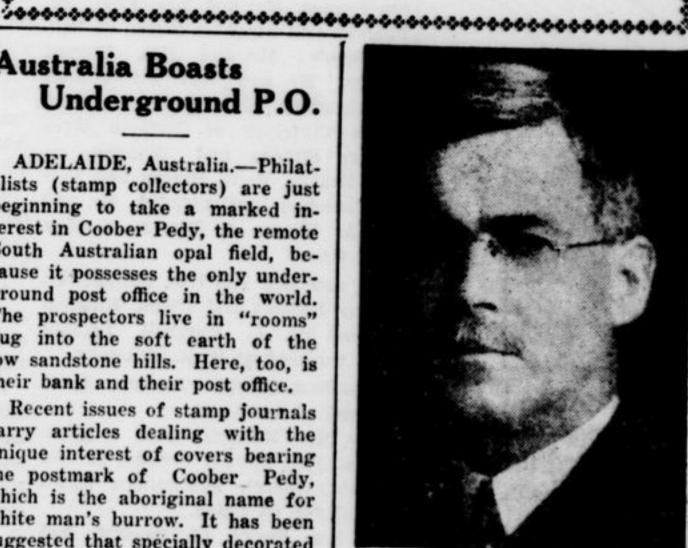
NAMES THE NEWS

Australia Boasts Underground P.O.

ADELAIDE, Australia.—Philatelists (stamp collectors) are just beginning to take a marked interest in Coober Pedy, the remote South Australian opal field, because it possesses the only underground post office in the world. The prospectors live in "rooms" dug into the soft earth of the low sandstone hills. Here, too, is their bank and their post office.

Recent issues of stamp journals carry articles dealing with the unique interest of covers bearing the postmark of Coober Pedy, which is the aboriginal name for white man's burrow. It has been suggested that specially decorated covers should be made available for use on Coober Pedy's international air mail.

New Zealand plans to abolish its unemployment tax on wages.



A. N. MITCHELL

Chosen as the new President of the Canada Life Assurance Company, Mr. A. N. Mitchell, of Toronto, still in his early fifties, is one of the most brilliant of the younger insurance men in America. Only last month he was eleced President of the Life Insurance Officers of Canada. Mr. Mitchell has had a diversi-

fied career, starting out as a school teacher, branching out into newspaper work, then joining the staff of the Manufacturers' Life as advertising manager in 1921. He remained with the Manufacturers for ten years, rising to the position of Assistant Secretary of the company. In 1911 he joined the Federal Life in Hamilton, was appointed General Manager the following year.

When the Federal was absorbed by the Sun Life in 1915, Mr. Mitchell joined the Canada Life as an Assistant Superintendent. In 1926 he became Assistant General Manager; General Manager, 1930; Vice-President, 1935.

In the period during which he has been General Manager of Canada Life, the country has passed through very difficult times. Mr. Mitchell had a tough job, but he has done it well. His sound conservatism, his great energy and capacity for work have been invaluable assets, will continue to a:d him in a distinguished career.

Men Welcome Practicality

Women Should Remember This When Shopping For Them

Salesmen in men's shops never forget that they have to have in stock what they call women's merchandise-things that appeal to wives who shop for their husbands and are subsequently exchanged. It is a woman's duty, obviously, to steer clear of these eye-catchers. This turns out to be laughably easy if the woman keeps in mind one fundamental; the garment or accessory the woman is considering for her male relative will be welcomed if it has practical value.

Several men's shops in New York were combed for practical, attractive summer things this week.

A shirt made like a carpenter's jacket of closely woven nubby cotton has a row of deep pockets across the front below the waist, where a man can tuck the things he wishes to carry about with him. For the man joining the ladies on the terrace of his country club there has been designed a collarless jacket of heavy crash linen that is cool and looks easy to wear. Single-breasted, with long sleeves and an clastic strap across the back to give it a slightly nipped-in line at the waist, it can be had in ravy or

Pitt Invented Weird Taxes

British Treasury Once Taxed Windows, Hats and Hair

A hundred and fifty years ago, says the Magazine London "Tit-Bits", when we had lost our American colonies and had just concluded a war with France, Pitt, as Treasury dictator, invented all sorts of weird taxes to raise the money needed to pay the country's way.

He put a tax on horses, which so enraged a farmer, named Jonathan Thatcher, that he rode a cow to market as a protest. Windows were also taxed, the larger the house the greater the tax - which explains the many blind windows to be seen in old mansions today. Hackney coaches, hats and hair-powder; game licences, hearts, and candles, all brought unpopular grist to the Chancellor's mill. That was in

"Plum-pudding" fax In 1797 a clock tax was imposed at the rate of 2s. 6d. in London and Middlesex, and 1s. elsewhere. The tax was a failure

and was repealed the next year. Cromwell invented the "plumpudding" tax, one on currants and raisins, while 200 years ago a tax on malt drove the Scots to strike by refusing to drink beer. But here the Chancellor won, and the Scots swallowed the tax.

Crop Is Best In Six Years

Finance Minister Dunning Says Conditions in Western Wheat Belt Unequalled Since 1932.

OTTAWA .-- Crop conditions in the wheat-growing areas are better than at any time since 1932, Finance Minister Dunning told the House of Commons last week.

"In the southern drought triangle the improvement in moisture conditions has been substantial although current rains are needed in other areas. Increased planting of Thatcher wheat gives a more effective insurance against rust than we have ever had be-

Sounder Basis "The adequate preparations being made by the provinces to deal with the somewhat less intense but perhaps more widespread infestation of grasshoppers, should assure that losses on this account will be minimized.

"In other words, although we are only at the beginning of the critical period of the wheat crop we may agree there appears to be a sounder basis than at any time in the last ten years for that buoyant optimism which is again evident on the western prairies.

May Restore Balance "Even with a lower world level of wheat prices a good wheat crop would, in my opinion, do more than any other single factor to revitalize our whole economic life, to establish confidence and to restore a more normal balance between the West and the East."

Week-Ends In Jail

Convicted of embezzling parents' pension cheques, American has been sentenced to spend 40 week-ends - Saturda afternoons and Sundays-ir jail. Reason: On week-days he can work to support his wife, his two children, and his parents.

THE WONDERLAND OF OZ



"That's the way to talk!" cried the gnome King. "What is your name, general?" "I am cailed Guph, your Majesty." "Well, Guph," said the King, "come with me to my private cave and vell talk it over." Then he turned to the army. "You are to obey the commands of General Guph until he becomes dog feed," he said. "Any man who tails to obey will be thrown away. You are now



Guph went to the King's private cave and sat down upon the King's chair. Then he lit his pipe and threw the live coal he had taken from his pocket upon the King's left foot and puffed smoke into the King's eyes, making him ver uncomfortable. For he was a wise old gnome and he knew that the best way to get along with the King was to show him that he was not afraid of him.



The King looked at his new general fiercely. "Do you not tremble to take such liberties with your Monarch?" he asked. "Oh, no," said Guph. "You mant to conquer the Emerald City and I am the only gnome in all your dominions who can do it, so you will be very careful not to hurt me until I have carried out your wishes."



"But suppose you fail?" asked the King. "Then it's the slicing machine. I agree to that," announced Guph. "But if you do as I tell you there will be no failure. The trouble with you, King, is that you don't think enough. You would go ahead and march your army through the tunnel into Oz and get defeated. I won't. And the reason I won't is because when I march I will have a host of allies to assist us."

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