

Vancouver Scientist Shows How Fish Can Be Kept Fresh

Vancouver — Twelve years of research have paid off for a Vancouver scientist whose discovery of how to "stop the clock" on spoilage of fish and meat is considered the greatest advance since the advent of frozen foods 25 years ago. The scientist is Dr. Hugh L. A. Tarr, 51, a bacteriologist for the Canadian Department of Fisheries, who discovered the process of keeping food fresh which will save the world untold millions of dollars annually.

Tests made on Atlantic and Gulf of Mexico fish showed the same results. Dr. Tarr was born in England, came to Canada as a child, took degrees at the University of British Columbia and McGill, returned to England for his third degree, worked there three years on research and came back to Canada when the lure of Vancouver proved too great. He is married and lives across the harbor in North Vancouver, has three sons, drives an English car to work and wears casual tweeds.

It was a red letter day for Dr. Tarr recently when the Canadian government officially accepted the use of his discovery for keeping fish, one of Canada's major goods, fresh for much longer periods than hitherto possible. Fame came in this slight, balding, intense man when he discovered that a new antibiotic known as Aureomycin (chlorotetracycline) could preserve the freshness of fish packed in ice, but without freezing, for up to three weeks.

He first began his long years of research back in 1944 when he reasoned that penicillin which destroyed germs in humans could stop bacterial decay in perishable meat and fish. This was at a time when wonder drugs were still a wonder. But he was wrong. Penicillin could not do the job. Neither could any other new antibiotic which Dr. Tarr and his associate tested.

His discovery was another tremendous advance for science and will take on terrific significance in the years to come as the world's population continues to move ahead of its food-producing capacity. FAR IN LAND In Canadian terms his discovery means this: the housewife, no matter where she lives, will be able to serve fish in as sweet, firm and tasty a condition as when the fish was caught from the ocean or prairie lake. In world terms, it means that underprivileged areas, where refrigeration is not available or too expensive, will eventually be able to eat fresh meat and fish killed many days before.

Several new antibiotics came in to his laboratory. They were put through the usual tests with salmon steaks. After two weeks in warm temperatures, the steaks were examined. All were rotten and putrid — except one. That one steak was the one treated with Aureomycin which is now the basis of the Acronize process. "We knew we finally had the answer," Dr. Tarr recalls. "The aureo fish was as fresh as when it was caught."

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Co-workers told him again and again he was working with a "useless procedure." But in May, 1950, the year of perseverance paid off. Several new antibiotics came in to his laboratory. They were put through the usual tests with salmon steaks. After two weeks in warm temperatures, the steaks were examined. All were rotten and putrid — except one.

More Than 100 Will Be Paroled

OTTAWA (CP) — Between 100 and 125 prisoners in federal penitentiaries will have been released by Christmas with the hope that family reunions during the Yule season will help complete their rehabilitation.

An official of the remissions service said Monday the bulk of the total parolees have already been released and a few more will be released this week. The releases started early in December to give former prisoners a chance to find jobs and earn some money for Christmas.

However, the official said the releases do not represent a wholesale delivery from jails. They included prisoners whose terms were due to expire shortly after Christmas or early in the new year. Others were to qualify for parole between Dec. 15 and Jan. 15. A few were released on compassionate grounds.

Flow Of Foreign Capital Into Canada Continues

OTTAWA (CP) — The flow of foreign capital to Canada continued to rise in October, net imports resulting from trade in stocks and bonds increasing to \$3,000,000, compared with \$8,000,000 a year ago.

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Eight Refugee Couples Are Wed

VERVIERS, Belgium (Reuters) — Eight Hungarian refugee couples, who fought against Russian troops were married at the town hall here Monday.

Then, walking through cheering crowds, they went to the church where their marriages were blessed by a Hungarian priest. Karoly Bynasz, himself a refugee, after a dinner given them by a local hotel, the couples, who are housed in an army barracks refuge camp at a spa near here left on a three-day honeymoon-touring Belgium.

Greetings
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GREETINGS
The highlight of the year is to wish you a Merry Christmas
Jimmie's Meat Market SUMMERSIDE

Season's Greetings
MERRY CHRISTMAS to all our friends — old and new — may it bring the best for you!
MacCAUSLAND FURNITURE LTD. SUMMERSIDE

Season's Greetings
IDEAL DAIRY
CROCKETT'S QUALITY JEWELLERS SUMMERSIDE

SILENT NIGHT...
... may it bring wondrous joy to your blessed Christmas
Edwin Heckbert Studio SUMMERSIDE
GEO. T. CLARKE JEWELLER



HIGHFIELD United Church Women's Association held its tenth anniversary at the home of Mrs. Stillman Frizzell. SEATED is the president Mrs. Roland Sellick.

Liberal Cyprus Proposals Before British Parliament

LONDON (Reuters) — Proposals for a liberal constitution for Cyprus presented to Parliament today offer the island colony a large measure of self-government but with control of external affairs, defence and internal security remaining in the hands of the British government.

The proposals, made by legal expert Lord Radcliffe, appointed last July to draw up a liberal constitution for the strife-torn Mediterranean colony, would give Cyprus a mainly elected legislative assembly which would be virtually certain of having a Greek Cypriot majority.

MUST END TERRORISM In his report, Lord Radcliffe said it is not assumed that the proposed constitution can come into effect in present conditions of terrorism. And the report emphasizes that it does not cover the question of the island's ultimate future. Briefly, the Radcliffe proposals would establish a dyarchy — government under two separate authorities — under which responsibility for defence, external affairs and internal security would remain completely under the control of the British government, acting through the island's governor.

Highfield U.C. Women's Ass'n. 10th Anniversary

The Highfield United Church Women's Association met at the home of Mrs. Stillman Frizzell on Wednesday evening, Nov. 22nd for their regular monthly meeting, and tenth anniversary. A short devotional and business period was conducted by the president Scripture reading was followed by a story on answered prayer.

Ten members and four visitors answered the roll call; minutes from the last meeting were read and approved. The next meeting is to be held at the home of Mrs. Creed on Thursday evening, January 10th. This will be the annual meeting. Mrs. Stuns will be the Devotional leader.

This being the tenth Anniversary it was much regretted that Rev. Dr. and Mrs. Betts and others were unable to attend. They sent their best wishes and greetings. Mrs. Frizzell gave a brief outline on the history of the W. A. in their ten years of service. The minister then would recommend to the governor who the other ministers should be. The governor would himself choose the minister for Turkish Cypriot affairs, who would be guaranteed a place in the cabinet.

Ancient French Document Found

By JACK VAN DUSEN OTTAWA (CP) — An ancient document which first came to Canada 200 years ago with France's last military commander in this country has returned silently and a little mysteriously.

Plan Development Of Copper Mine In N. E. Newfoundland

SPRINGDALE, Nfld. (CP) — Development during the winter is expected to blossom out next spring in a full scale program of mine construction at nearby Little Bay where diamond drilling has established deposits of at least 2,000,000 tons of ore running 2.1 per cent copper.

Copper has been established as deep as 1,500 feet and extending laterally in seams 20 to 30 feet broad in the vicinity of old workings. Little Bay was worked in the last century, but the old mine collapsed as a result of poor engineering and the practice of hanging out supporting rock pillars for the copper they contained.

Canadian Wheat Exports Increase

OTTAWA (CP) — Canada's wheat exports rose 36 per cent during the first quarter of the current crop year to a total 81,400,000 bushels, the bureau of statistics reported Wednesday.

Under the terms of the agreement, American companies will distribute the franchises for Acronize to well-qualified companies. There will be no indiscriminate distribution of the antibiotic. One of the most significant tests made of the use of the Acronize with regard to fish was conducted when salmon and halibut caught off the coast of Washington State was packed in ice, trucked to Seattle and shipped east by rail through regular transportation channels which afforded only one-re-icing on the sixth day.

The Commonwealth Christmas Radio Program Ranges Widely

The Commonwealth Christmas radio program this year ranges farther afield than ever, with greetings from the Antarctic added to the messages from far-flung territories next Tuesday.

Gov't. Sustained In By-election

MELTON MOWBRAY, England (Reuters) — Sir Anthony Eden's government won by a reduced majority in a parliamentary by-election in which the government's Suez policy was the main issue.

The Queen And Duke Will Be Far Apart At Christmas

LONDON (Reuters) — The Queen has begun preparations for a visit to the royal country house of Sandringham where she and her children will celebrate Christmas.

WON'T GO TOURING

The parchment, described as "priceless" by assistant archivist Pierre Brunet, is about 20 inches long and six wide. In flowing script it tells to "all those who shall see these precious" that "our dear and well-loved, the Marquis de Montcalm" is commander of the French armies.

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Trawler Sold By N.S. Gov't.

HALIFAX (CP) — Trade and Industry Minister E. A. Manson announced Wednesday the sale here of the steel fishing trawler D'Vora, one of four recently offered for sale by tender.

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