

# Weather Gives Northern U.S. Increased Fallout

By JOHN A. BARBOUR  
Associated Press Staff Writer  
NEW YORK (AP) — Weather patterns are giving the northern United States more radioactive fallout than the rest of the country, an Atomic Energy Commission spokesman said Friday.

McNeil Eisenbud, regional manager for the AEC, said too that the northern hemisphere is getting a heavier dose of radioactive fallout than the southern hemisphere, due partly to location of nuclear blasts.

But nowhere, he said, is fallout approaching dangerous levels. The shift of winds gave some cities like Salt Lake City, Boise, Idaho, and Grand Junction, Colo., a heavier fallout than other southern areas.

New York City and other cities in the northeastern U.S. got heavier fallout doses than some southern cities because of a combination of winds and rain and snow.

High altitude winds, blowing the debris of atomic explosions, scatter it mostly in the northern hemisphere.

Eisenbud and others at the AEC's health and safety laboratory here spoke at a press conference, giving details of a regular semi-annual AEC fall-out study.

Raw data on fallout is not necessarily the best measure, however, Eisenbud said. Some radioactive isotopes are more dangerous than others.

Eisenbud explained it this way:

Strontium 90, formed in the fireball of an atomic explosion, closely resembles calcium. Calcium is a mineral needed for human growth, as a major part of the human skeleton.

**ABSORBED BY BONES**  
As calcium is absorbed from the soil into plants, some radioactive strontium also is absorbed. Some plants are eaten by humans and the radioactive

strontium is partially accepted into bone structure in lieu of calcium.

Some plants are eaten by cows, and part of the strontium 90 eventually gets through into the cow's milk. Some of this eventually is ingested by human beings and becomes part of human bone too.

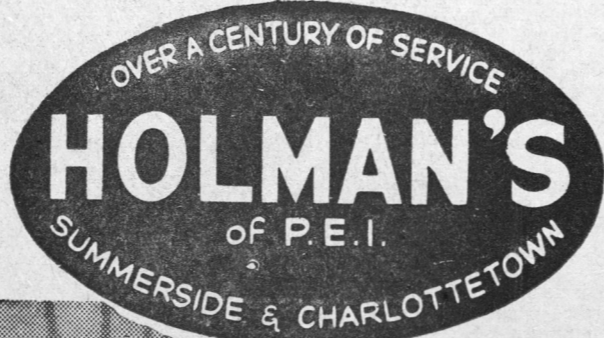
Eisenbud said that beyond a certain level the AEC believes this radioactive strontium could cause cancer of the bone and other diseases.

However, the level of strontium 90 in milk, as monitored by the AEC, is not expected to get any higher than 20 or 30 strontium units by the year 2,000. The AEC has a safety level of 100 strontium units which it says is only a tenth of what some consider the safe maximum.

**POTENTIAL DANGER**  
Another potentially dangerous radioactive isotope in fallout is cesium 137. Cesium resembles potassium which is absorbed and used by the body.

Although cesium 137 has a short radioactive life, it could possibly affect reproductive cells in the human body and endanger future generations by producing deformed children.

However, the level of cesium 137 is considered slight by the AEC.



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## Unemployment Situation In U. S. Seen Improving Now

WASHINGTON (AP) — Officials said Monday night the government will announce today that unemployment increased in March by 25,000 to a total of 6,198,000.

Employment was reported to have increased by 323,000 for the month to 62,311,000.

This was learned after Treasury Secretary Robert Anderson counseled in a speech against any pell-mell rush to cut taxes and called for caution and prudence in anti-recession measures. The jobless increase, the small-

est for a month during the pre-recession, still leaves unemployment at its highest level since 1941.

It represents a considerable slowing down of the jobless trend.

The reported 25,000 increase in March unemployment, while only nominal, comes within the margin of error conceded possible for the government's job estimates. It is conceded the figures may vary by 120,000 or more, one way or the other, in any one month.

## Fellowships And Grants Awarded To 44 Canadians

OTTAWA (CP) — Fellowships and grants have been awarded to 44 Canadians to help them further their studies in the arts, the Canada Council announced Friday.

Value of the awards range from \$300 to \$2,000. They go to teachers, students, painters, actresses, actors and musicians.

Among those awarded fellowships averaging \$2,000 are Harry Kiyooka, conductor of the Edmonton Symphony; Montreal writer Mordecai Richler; Toronto playwright Norman Williams; theatrical worker Donal Wilson of Vancouver; baritone Gilles Lamontagne of Quebec City; and actress Madeline Gobel of Ottawa.

Eastern Canada awards: Junior Art Fellowships—Yves

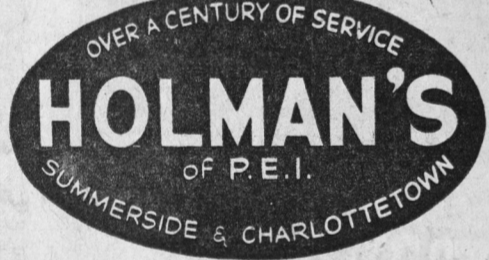
Bedard, Pierre Boutet, Therese Brassard, Nicole Bruc'est, Gilles Lamontagne, Mimi Parent - Benoit, Quebec City; Langis Breton, Ste-Foy, Que.; Gerald Finley, Leon Major, Peter J. Browne, St. John's, Nfld.; Thomas Forrestal, Middleton, N.S.; Andre Garant, Lewis, Que.; Lise Madeau, Silvey, Que.; Jean-Paul Pinsonneault, Waterloo, Que.

**Arts Teachers Fellowships**—Louise R. Hoffman, Saint John, N.B.

**Short Term Grants (Arts)**—Jack Humphrey and Ignatius Rumbolt, St. John's, Nfld.

**CURB OFFICIAL CARS**

BELGRADE (AP)—Yugoslavia decreed a curb on use of state-owned automobiles Sunday as part of an economy drive. The Communist party newspaper Borba noted that at a recent soccer match more than 3,000 official cars were counted at the stadium.



## ATTENTION MOTHERS!



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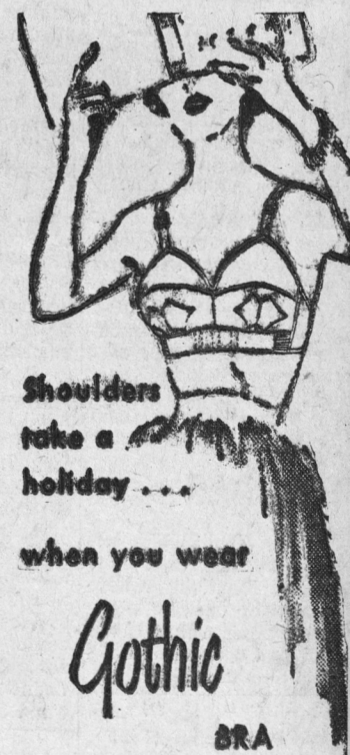
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