

# Rain Drops Pack Atom Bomb Punch

By ROBERT E. GEIGER

WASHINGTON (AP)—A navy engineer says raindrops pack the punch of an atomic bomb. Drop by drop, he says, they are blasting North America into the seas.

W. D. Ellison says floods occur and farm land is damaged by rain because most soil conservation is aimed at preventing damage from running water, with dams, terraces and contour plowing.

Ellison says the emphasis should be placed on preventing rain from striking earth with full force.

Even in a gentle rain, he said, the millions of drops in one storm strike earth with the combined force of a bomb.

The remedy, according to Ellison, is a simple one. It is to keep the land covered heavily with grass, crops, brush, trees, even weeds.

He has close-up, slow-motion moving pictures showing how blades of plant life break rain's full force. Each drop is scattered into many tiny droplets. They trickle gently downward to the roots of plants and thence into the soil. Eventually they reach nature's great underground storage reservoirs and may be held there for use in a day of drought, Ellison says.

**LIKE GIANT SPONGE**  
The navy engineer, who worked more than 20 years on soil conservation investigations for the United States Department of Agriculture, says that when land is covered with plants it is like a giant sponge that can absorb many storms.

But when it is denuded of vegetation he says, land is like a great concrete cover. When rain strikes, it rolls off, forms sheets of water rushing downhill into rivers that swell to flood crest.

But while flood damage to houses and bridges is spectacular, even more costly damage is done to the land itself, Ellison says—valuable humus and minerals are churned up into mud and float away, with the heavier parts, like sand, remaining behind.

Ellison acknowledges many soil conservation methods now in use, such as contour farming and terracing, are good as far as they go. But he says:

"They are of little value as water savers in heavy rainstorms. About all they do is prevent runoff water from carving gullies. The valuable, light parts of the soil float away with flood waters that roll on and on."

"The trouble with my theory, from the viewpoint of many conservationists, is that it involves nothing spectacular or dramatic like the construction of great dams and contours—only a drop of rain and a blade of grass."

Ellison doesn't say that the farming methods he champions would have prevented all of the high water that has occurred in the Missouri and other Midwestern river basins this summer.

**NEED FEWER DAMS**  
He believes dams and contour farming are necessary. But he says the dams wouldn't have to be so large or so numerous if more water was held back on the soil by vegetation.

He estimates that in the great plains country it takes from 2000 to 3000 pounds of grass on each acre to protect range lands from rainfall damage. A great deal of this land has less than 1000 pounds of grass per acre today.

His experiments indicate that after land is covered with from 2000 to 3000 pounds of grass per acre it has reached almost maximum protection from rain.

Ellison believes the grass cover on pastures could be increased sufficiently if fewer livestock were allowed on them for a season or two, providing moisture conditions meanwhile were good.

On other lands, where crops are raised, Ellison says if more care were taken to keep the ground covered at all times of the year it would make a great difference in water run-offs during storms.

If crops can't be kept on land at all times of the year he says the trash from previous crops, such as stubble from wheat and stalks from corn, should be left on the surface and now plowed under.

SALFORD, England (CP)—The municipal laundry here has long provided facilities for housewives to do their weekly wash. Now they can do the ironing, too, on machines which require inserting coins in the slot.

## CFPR RADIO DIAL

(Subject - Change)

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3:30—Step Lightly  
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4:30—20,000 Leagues Under the Sea  
4:45—Stock Quotation and Int.  
5:00—Int. Comly.  
5:10—The Weston's  
5:30—Intimate Revue  
5:45—Young Man with a Song  
5:55—CBC News  
6:00—"Canada at Work"  
6:15—Vaughan Monroe and Orchestra  
6:30—Musical Varieties  
7:00—CBC News  
7:15—CBC News Roundup  
7:30—Eventide  
8:00—Radio Cartoons  
8:15—Points of View  
8:30—Tales of the 7 Seas  
9:00—Guestin's with Kestlin  
9:30—Vancouver Concert Orch.  
10:00—CBC News  
10:10—CBC News  
10:15—Let's Find Out  
10:30—Winnipeg Drama  
11:00—Weather Report and —Fish Arrivals

**FRIDAY—A.M.**  
7:00—Musical Clock  
8:00—CBC News  
8:10—Here's But Good  
8:15—Morning Song  
8:30—Morning Devotions  
8:45—Little Concert  
9:00—BBC News and C. any.  
9:15—Music for Moderns  
9:30—Sunrise Serenade  
9:45—Your Music Appointment  
9:55—Time signal  
10:10—Morning Visit  
10:15—Morning Melodies  
10:30—This Week's Arts  
10:45—Invitation to the Waltz  
11:00—A Man and His Music  
11:15—Goodbye Time  
11:30—Weather Forecast  
11:35—Musical Period  
11:38—Rec. Int.  
11:50—Scandinavian Melodies

**FRIDAY—P.M.**  
2:00—Mid-Day Melodies  
2:15—CBC News  
2:25—Program Resume  
2:30—BC Farm Broadcast  
2:55—Rec. Int.  
3:00—The Concert Hour  
3:05—Easy Listening  
3:30—Records at Random  
3:45—Do what you like, Comly.  
3:00—The Music Box  
3:15—Don Messer and His Islanders

## THE EXPERTS Say...

By KAY REX  
Canadian Press Staff Writer

**MEN'S RECIPES**—Did you think collecting recipes is strictly women's work, and mother is the only one in the family who can whip up a frilly dessert? Just ask dad.

Ever since we issued a call for dishes than men like to concoct, we have been flooded with replies.

A Montreal newspaper man sends along a couple of new ideas for "those who get tired of eating eggs fried, scrambled or poached all the time."

He suggests "Oeufs a la Neige" (snow eggs). This takes two hard-boiled eggs to each person. Make a white sauce using corn starch and milk. Slice eggs in the sauce and serve either French-fried or mashed potatoes and green peas.

To make the sauce: One cup of milk per person; allow milk to reach boiling point; mix three teaspoonsful of corn starch in water and add it to milk. Cool until thickens.

**RAGOUT DE BOULETTES**  
This Montrealer, who describes himself as perhaps "A Canadian traitor for disliking pea soup," believes that not many persons know how to serve pigs' knuckles and meatballs, or "Ragout de Boulettes."

His recipe: Roll meatballs in flour and brown in frying pan before placing in cauldron. Brown flour in pan and make sauce. Boil water in cauldron and add pigs' knuckles. Add meatballs to cauldron.

We're told this dish is tasty "when served with boiled potatoes and salads."

Better not believe all the stories you hear about dad's wastefulness: when permitted to roam the kitchen. He may have more economical recipes up his sleeve than mother ever dreamed possible.

A Toronto chap suggests the following as "cheap and useful when the tag-end of a roast is not sufficient to make a good showing on its own."

Boil some rice, drain, then add a can of undiluted condensed tomato soup. Toss in small cubes of meat "and use your imagination with the spices." Cayenne, garlic and curry combine well in this dish which should also include a couple of finely chopped small onions. Heat and serve.

As a "fancy touch" our friend suggests browning cubes of bread with a little butter. Sprinkle

this over a casserole preparation of the above.

**"WOMANISH KNACK"**  
Another Toronto man confesses to have a "womanish knack" when it comes to preparing desserts. He produces the following recipe, saying the method of preparation reminds him of "brick-laying." For lack of a better title we'll call it "Bricklayer's Special."

Ingredients—One package of jelly (one tin crushed pineapple; one-half pint of whipping cream; one bottle of red Marachino cherries; three crushed walnuts.

Prepare jelly and allow it barely to set before whipping with egg-beater until creamy. Return to refrigerator until firm. Whip cream.

Comes the "bricklaying" part: Serve in tall dessert dishes. Add two dessertspoons of the jelly to each glass. Add the same amount of pineapple. Continue and finally cover with whipped cream. Sprinkle walnuts on top. Add cherry. Serve five.

**CHILD MARRIAGE**  
Margaret, Queen of Denmark, Norway and Sweden in the 14th century, was married to Haakon VI of Norway at the age of 10.

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**NEW AUXILIARY BISHOP**—Amid traditional pomp and ceremony in Ottawa, Adeodato Cardinal Piazza of Rome, secretary of the Sacred Consistorial Congregation of the Roman Catholic Church, officiated at the consecration of Msgr. Maxime Tessier, newly-appointed auxiliary bishop of Ottawa. Representatives of the federal government and a large number of church dignitaries attended. Here, left to right: Archbishop Alexandre Vachon of Ottawa; Msgr. Tessier; Cardinal Piazza; James Cardinal McGuigan of Toronto; and Msgr. Ildebrando Antoniutti, apostolic delegate.



**INNOCENT SUFFER**—A heavy toll of the young, innocent and aged is unavoidable in war-torn countries. The expression on the faces of these Canadian soldiers show their feelings of sympathy for this North Korean boy. The lad was found in an abandoned shack where he had been suffering unattended for two months. A sergeant of the Royal Canadian Army Medical Corps examines the wound before evacuating him to hospital. (CP from National Defence)

## FIGHTING OVER

(Continued from page 1)

geological surveys of the proposed damsite had been made. T. G. Norris, K.C., counsel for B.C. Natural Resources Conservation League, suggested the commission "might go in, denude this area of its trees, ruin its spawning grounds and then find they couldn't build a dam."

He asked why the commission had set off the cost of logging as against the price of the timber. He said the timber didn't belong to the commission at all but to the people of British Columbia.

"You have not estimated the cost of buying the timber from the crown,"

Former minister of trade and commerce and customs, Hon. H. Stevens, threw a verbal bombshell into the already charged atmosphere of the hearing when he referred to "rumors" that timber interests were behind the move to log the area preparatory to building a dam. "An application for industrial development must not be measured in dollars and cents," he said. "We must assess the value of the beauty and cultural and recreational assets. These intangible assets must be assessed against the monetary value."

Refuting claims that Buttle is a "rich man's paradise," Mr. Stevens said: "The industrial worker of this province depends on the setting aside of just such recreational areas." He said wealthy people can afford to buy wilderness property for vacation playgrounds. "We have lived to see our natural resources rapidly depleted. It brings home to us the wisdom of the Legislature, in 1911, setting aside this park area and the necessity of viewing these things with great care and a determination to resist any encroachment. I was amazed to hear today the merchantable timber there was 25 million feet. I would estimate there is between 75 and 100 million feet (in the area to be flooded) and we can submit evidence to support that."

Mr. Stevens spoke on behalf of B.C. Natural Resources Conservation League.

Other petitioners were Alex McQuarrie, representing the B.C. Auto Courts and Resorts Association, and Alvin Parkin, Campbell River and District Ratepayers' Association, who said: "Buttle Lake has some of the scenic wonders of the world—beautiful virgin forests, glaciers, crystal clear waters, and red snow. Any action to alienate any part of this park is looked upon by our people as a breach of faith by this government."

Campbell River Chamber of Commerce was represented by Leonard Rossiter. He charged the Power Commission "has not, in the past, shown any consideration of the value of natural beauty."

**WOULD DAMAGE PARK**  
When asked by the comptroller of water rights if the Chamber of Commerce thought the damming of Buttle Lake would irretrievably damage Strathcona Park, Mr. Rossiter said emphatically, "Yes," and he suggested the Power Commission was "behind" the move to keep the trail to the lake impassable. Einar Andersen, Campbell River Fish and Game Association, begged the water comptroller not to "destroy something you can never replace." Mr. Andersen said "future generations will thank us for saving Strathcona Park." He forecast a population growth throughout the province when the people would need these provincial parks. He said: "If you went to the Parks Board at Vancouver and offered to pay a million dollars for a 50-foot lot in Stanley Park, they would say, No, of course you could not buy it. There is no place in the world to compare with Strathcona Park. It is rich in game—e.g. deer, geese, otter and many other animals."

After sitting an hour over-time, the hearings adjourned until today.

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