

## The Week at Ottawa

BY DON PEACOCK  
Canadian Press Staff Writer

OTTAWA (CP) — The head of Canada's 40-man-delegation to the Geneva atomic-energy conference believes that information disclosed there is not expected to hurry the advent of economic electricity-producing plants in Canada.

William J. Bennett, president of Atomic Energy of Canada Ltd., told a press conference on his return that the most optimistic forecasts still are that the goal will not be reached until at least 1963 or 1964.

"There were no developments at Geneva to change our view that we still have a lot of very tough engineering problems to beat before we can say we have economic atomic power," he said. "Even that date depends on the success of experimental power plants."

**Russia at Same Stage**  
Mr. Bennett's estimate of demonstration power reactors given by the United Kingdom and the United States were in a large part already known in Canada. Information disclosed by Russia also showed that the Soviet Union is in the first stage of power reactor design. Details of the experimental power plant now in operation in Russia were "not radical in character."

"I would say that the Russians are at about the same stage as the power reactor design as Canada, the United States and Britain," he said. "All are taking the first steps in the design and construction of experimental reactors." He said he fears that forecasts by some scientists at Geneva may have given a wrong impression that economic atomic power is just around the corner.

Most of the experimental reactors, including one being built by Canada, would be in operation late in 1955.

## Take Set-Aside In September

Dairy Farmers of Canada advertising set-aside will be collected in Ontario during the month September, according to Earl Kitchen, secretary-manager of the national producers' organization. The normal June set-aside, which proceeded as usual in the rest of Canada, had been postponed in Ontario to coincide with the Ontario Stabilization Plan which was started in August but which was subsequently postponed.

Mr. Kitchen states that agreement has been reached between the dairy producer and operating groups in Ontario to carry the set-aside forward with vigor during the month of September. The set-aside of a cent-a-pound butter fat finances the national advertising program in support of dairy foods. Ontario producers set-aside more than \$143,000 in 1954 for their contribution to the national advertising budget of \$367,000.

In view of the fact that milk production is down normally in September, Mr. Kitchen points out that the co-operation of all branches of the industry in Ontario is imperative if this province is to maintain its contribution to the national budget.

In a joint statement, A. Steel, President, Ontario Dairy Processors' Council and W. H. Hoiles, President, Ontario Milk Producers' Co-ordinating Board, have pointed out to all operators and producers the valuable job of dairy food promotion program by the national program. It was their conviction that the special September set-aside should receive strong support from all branches of the industry.

## Are Canned Foods Really Nutritious?

Canned products play their part in supplying necessary nutrients when fresh fruits and vegetables are not available. But canning procedures are necessary which will return to best advantage the vitamins, minerals, carbohydrates and proteins essential to good health.

Most canning processes require that vegetables be blanched or scalded and packed into tin cans together with hot brine and sealed and processed to effect sterilization. Fruits are not always blanched but are normally packed hot prior to sealing and cooking. Although the heat applied in blanching and processing does have some destructive effect on certain vitamins, its adverse effect is minimized by packing the product hot, thus excluding a considerable amount of air from the can. Ascorbic acid (Vitamin C) and Thiamine (Vitamin B1) are most susceptible to heat destruction. The carbohydrates and proteins are rendered more digestible by heat.

It has been found, however, that higher temperatures and shorter blanching times favor greater retention of the water soluble vitamins and mineral content of fresh products. Blanching should be adequate to destroy the oxidative enzymes in fruits and vegetables while causing a minimum of loss due to the dissolving of nutrients in the blanching water. Steam blanching when properly handled is generally preferred since less water soluble nutrients are dissolved than in water blanching.

As a result, consumption of canned foods suggests that tomato juice, peas, corn, baked beans, tomatoes and green and wax beans may be considered the more important canned products. Retention of ascorbic acid, thiamine, niacin and riboflavin in canned tomatoes and tomato juice is good but is somewhat less in beans, peas and corn. Approximately one-third of the nutrients is present in the liquid brine of beans, peas and corn.

1957 or in 1958. They would have to be operated for two or three years to give scientists the information they need to build large stations capable of producing electricity economically. It would then take from three to four years to construct such a power station.

Major accomplishment at Geneva, he said, was the declassification of an enormous amount of information on peacetime uses of atomic energy, especially in the power field.

Russia's main contribution at Geneva was in the field of atomic research, power reactors and radiation hazards. Both Russia and the U.K. however, were reluctant to disclose many engineering details of their experimental power plants. This indicated that there would be major competition in the future in the sale of atomic power stations on the commercial market.

Mr. Bennett said he was referring to manufacturing "know-how" on the construction of power stations. "This indicates there is going to be some distinction between scientific information and information involving engineering design and manufacturing. I don't think this is strange. This is the sort of thing we must expect in the commercial field."

**Suggests Aid for Africa**  
Prime Minister Garfield Todd of Southern Rhodesia, during a visit to Ottawa and the atomic energy plant at Chalk River, Ont., suggested to a press conference that the Commonwealth should provide aid to the new federation of Rhodesia and Nyasaland similar to that given South and South-eastern Asia under the Colombo Plan.

The American federation raise native living standards and prevent possible Mau Mau terrorism spreading there from Kenya colony.

"The African people have awakened," he said. "However, we are finding it difficult to provide them with the services they require and which they are demanding in no uncertain terms."

**Courting Grain Buyers**

The government is bringing in more and more wheat and flour buyers from other lands for extended Canadian tours—at Canadian wheat board cost—to impress them with the size and quality of Canada's grain production and handling facilities. The program is part of a federal drive to meet competition from other exporters and boost sales of Canadian grain products.

Latest to arrive were four Latin American buyers from Colombia, Ecuador, Venezuela and Peru. The trade department said they will spend a month in Canada, making a first-hand study of the Canadian grain picture. These are in addition to eight United Kingdom millers now in Western Canada making a similar study.

The South Americans are to visit Ottawa, Winnipeg, other Prairie points, the Lakehead and Vancouver. They also will join the British millers on a flight to the northern port of Churchill to see storage and grain-loading facilities there.

**DDT Effect on Fish**

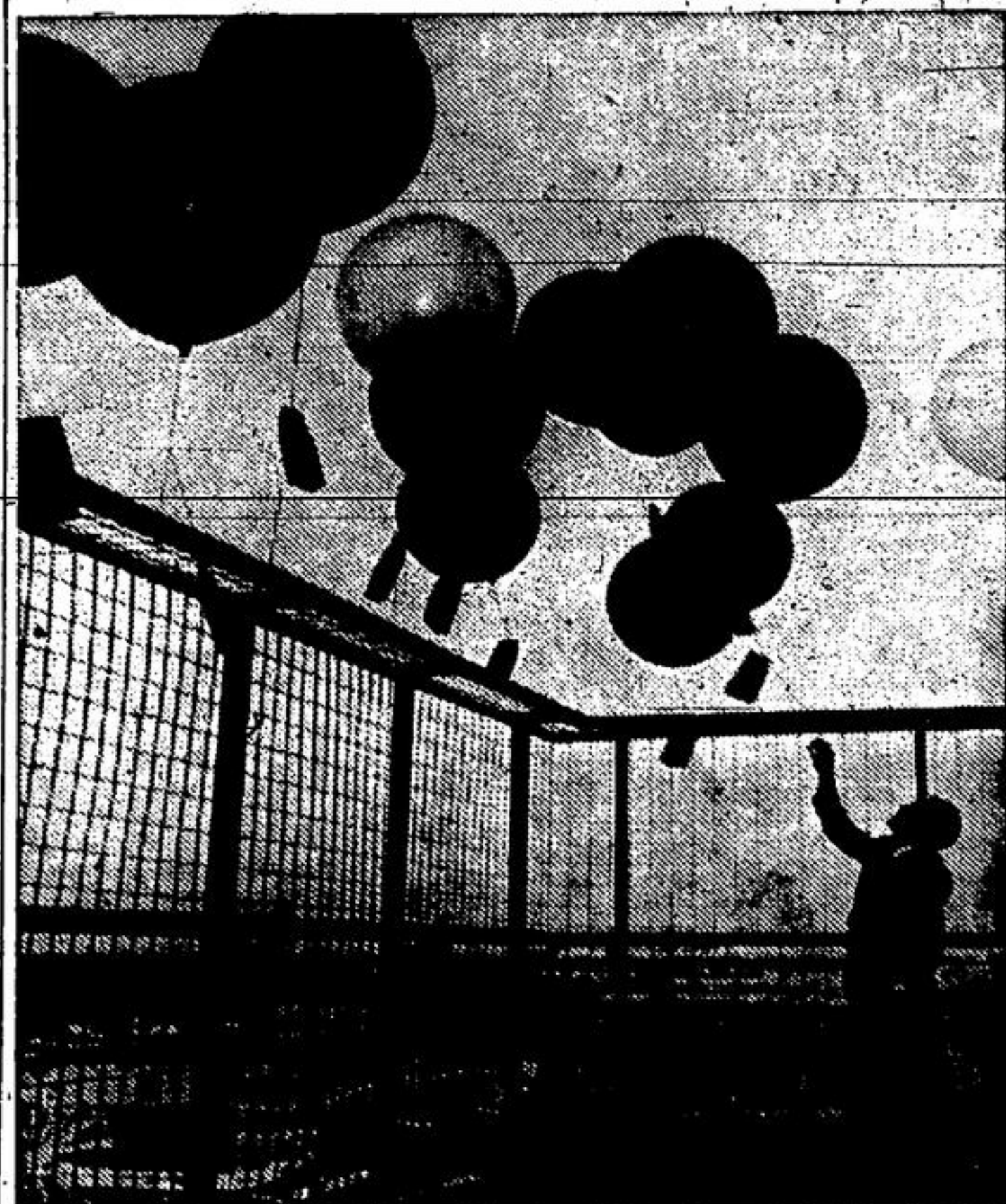
The fisheries department is trying to learn whether New Brunswick salmon will be permanently affected by sprays used to kill forest-destroying budworms. Dr. J. L. Kask, chairman of the fisheries research board, said the new research represents an expansion of tests launched two years ago into the death of young salmon following forest spraying operations.

Research done so far shows that young salmon are being killed in New Brunswick by DDT sprays washed from trees into streams and rivers," he said. "The DDT is washed off the trees by rain which eventually makes its way into waters inhabited by salmon."

The new studies are being made to determine how long water polluted with DDT remains dangerous to salmon. They also are designed to determine what amount of DDT in streams and rivers are lethal.

Dr. Kask says tests to determine the period water remains toxic are being made by the department's St. Andrews, N.B., fishery research station. Young salmon have been placed in cages in waters polluted with DDT under the natural runoff conditions.

"We hope that these tests will show how long the DDT affects the fish and whether this effect is temporary or permanent," he said. "DDT is used in New Brunswick and parts of Eastern Quebec and Nova Scotia to kill the budworm. It is sprayed on forests by low-flying airplanes."



**TO MARK COMPLETION** of the Shell Observation Tower at the Canadian National Exhibition, 50 weather balloons were released Wednesday morning by Dominion Meteorological Service's Percy Saltzman and C. W. Chamberlain, Shell's sales promotion and advertising manager. The balloons, each containing certificates worth \$25 or \$10 to the finders, were released from the observation platform 90 feet above the ground. They will float to approximately 45,000 feet.

## Campbellville Takes Third In Row From Waterdown With 6-2 Win

Campbellville took a commanding 3-0 lead in the best-of-seven series with Waterdown last week (Wednesday) by winning 6-2 in Campbellville.

Stan Henderson, starting his first game of the season for Campbellville, went all the way, limiting the visitors to four hits. He walked three, hit two batters and struck out eight. Don Fawcett did the hurling for Waterdown and was touched for 11 hits while walking three, hitting one batter and striking out five.

Campbellville scored one run in every inning. Ken Moore walked to start the game, stole second, went to third on an infield out and was driven in by Henderson's single. Early walked to open the second, went to third on Dredge's single and scored on Moore's double.

**Tied in Second**  
Waterdown tied it up in the second. D. Fetter walked and went to third on Culley's single and scored on Rakish's sacrifice fly. On the play, Henderson cut off the throw from the outfield and had Culley trapped off second, but threw into the outfield, with Culley going to third. He scored on "Chick" Thompson's single.

In the third Jack Laking singled, went to second when Henderson was hit by the pitcher, stole third and scored on Early's single. Ken Moore homered in the fourth to make it 4-2 and in the fifth.

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## Horses, Cattle In Big Showing

The heavy horses and heavy cattle are making a big showing this year at the Canadian National Exhibition.

Cattle entries in the big C.N.E. livestock show are up about 10 per cent. from other years, with beef animals leading the parade. Heavy increases in entries have been noted in Shorthorns, Herefords, Aberdeen Angus and fat cattle, while other beef animals have held largely to the levels of other years.

In the dairy cattle there has been a sharp increase in Ayrshire entries and also in Holsteins, which are always a big entry at the Ex. The Guernsey entry is expected to show increases due to the presence of Ed Sullivan, grandstand headliner, who, as a fellow breeder, will present top awards for this breed.

Sheep entries are about the same this year in all 10 breeds, but there has been a heavy increase in swine entries. The poultry and pet stock show promises to be bigger and better than ever, with almost 600 more entries listed for this section of the fair.

Dairy products too, have a heavy entry, with plenty of emphasis on butter and cheese. The dairy bar in this section of the C.N.E. buildings will offer not only refreshments, but a bit of education on the value of dairy foods.

**SMOOTH JOB**  
COCHRANE (CP)—Residents of this Northern Ontario town danced in the streets one night recently. They were celebrating the completion of the paving of the community's streets at a cost of \$350,000.

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