

and vegetables - to determine the acceptability of irradiated food and the quantity of gamma rays required to increase its shelf life. Other experiments will determine the gamma-ray dose needed to kill insects that destroy grain in certain parts of India. If used on a production scale, the irradiation processing could save millions of pounds of food each year.

This unit will also be used for the sterilization of surgical materials. The initial cobalt-60 source will be 100,000 curies.

PORTABLE UNIT

The other unit is a portable irradiator that will be used to test various radiation conditions required to disinfect grains. Such studies could lead to the building of production-scale irradiators. The cobalt-60 source in this unit will be 27,800 curies.

The first supply of cobalt-60 for Indian irradiators will come from the Chalk River Nuclear Laboratories. When additional cobalt-60 is needed for the units, it will be supplied from the CIR reactor in India.

ATOMIC ENERGY STAMP

Postmaster General Jean-Pierre Côté announced recently that the Post Office would issue a 5-cent commemorative stamp on July 27 in recognition of the work of the Canadian scientists who developed the peaceful uses of atomic energy.

The stamp, which will mark the year in which the country's first commercial large-scale production of nuclear-electric power becomes a reality, is intended to emphasize concentration on peaceful uses of atomic power, Mr. Côté said.

The issue is blue, horizontal in format and illustrates parts of the new Douglas Point Nuclear Power Station located in Ontario on the shores of Lake Huron. A microscope, at the lower left, above which is a dove of peace, respectively symbolize research and peaceful uses of great power; superimposed on the whole is the symbol for a heavy-water atom.

The Postmaster General indicated that a total of 24 million stamps of this issue would be printed by the Canadian Bank Note Company in Ottawa.

STEEL TO MEXICO

A financing agreement authorizing the Export Credits Insurance Corporation to finance the sale of steel rails and track accessories to the value of \$9.8 million to the Mexican National Railways was announced recently by the Minister of Trade and Commerce, Mr. R.H. Winters. Dominion Steel and Coal Corporation Limited, Montreal, will supply the materials from its plant at Sydney, Nova Scotia. Shipments are expected to start in June and be completed by the end of the year.

The order is part of the continuing rehabilitation of Mexico's railway system. Over the past five years, with the support of the Canadian Government, DOSCO has supplied \$65-million worth of steel rails and accessories to Mexico.

Mr. Winters said that the latest transaction showed further evidence of the close trading relations between Canada and Mexico. ECIC has provided financing for sales to that country valued at \$71 million over the past five years.

With the signing of this agreement, the total value of contracts signed under ECIC's long-term export financing facilities reached \$279 million.

HARNESSING THE NELSON

The Nelson River, one of the largest in North America, is being developed by the Province of Manitoba into a massive \$1-billion power-development programme.

The combined watersheds of the Nelson and the Churchill extend half a million square miles and cover most of the Prairie Provinces and portions of Ontario, Minnesota and North Dakota. Flowing from Lake Winnipeg, one of the world's largest lakes and natural water-storage areas, the Nelson drops 712 feet during its 400-mile run into Hudson Bay. Its flow is greater than that of the Columbia or Missouri.

FIRST STAGE

The first phase of the programme will cost \$325 million, and will involve building a 1 million-kilowatt generating station at Kettle Rapids, to be commissioned in 1971, the diversion of substantial amounts of Churchill water through the Burntwood diversion into the Nelson, and the Warren Landing regulating structure, enabling Lake Winnipeg to be used as a great storage reservoir. It also includes building twin transmission lines from the Kettle Rapids station to Winnipeg, 580 miles away, making phase one a complete operation in itself.

Potential power capacity of the mighty Nelson exceeds 5 million kilowatts, sufficient to meet Manitoba's rapidly expanding power needs at least for the remainder of the century.

TOWARD A NEW KIND OF ATLANTIC COMMUNITY

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France not only from the NATO military organization but out of the Atlantic alliance itself. And France does not want to leave the alliance.

It would be short-sighted, also, not to realize that the attitude of Western Europe to American commitments in Europe is changing, just as the attitude of Eastern Europe toward Moscow is changing.