

### NPD RUNNING AT CAPACITY

Canada's first nuclear power station reached its full power output of 20,000 kilowatts of electricity at 8:49 a.m., Thursday, June 28. The reactor in the Nuclear Power Demonstration Station first went into operation April 11. This step in the commissioning of the plant was followed by various testing programmes. Then, on June 4, the heat from the reactor was applied to the production of steam, which drove a turbine-generator to produce the first electricity.

From time to time the output of electricity from the plant has been increased until the operators, under the direction of superintendent Lorne McConnell of Ontario Hydro, decided that sufficient data at those outputs had been obtained and that adjustments to various circuits were such as to permit the plant to be run at capacity.

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### JAMAICA-CANADA CADET SWAP

An exchange of visits between Canadian and Jamaican army cadets has been arranged and will take place during July and August of this year.

The Royal Canadian Air Force will fly a group of 24 master cadets to Kingston, Jamaica, on July 17, and will return to Canada two days later with an equal number of Jamaican cadets.

After attending the advanced cadet-leader course at Banff, the Jamaican cadets will move to Camp Vernon in British Columbia on August 14. On August 19 they will visit Vancouver for three days of sight-seeing, including a visit to the Pacific National Exhibition. From Vancouver the RCAF will fly the youngsters back to Jamaica.

While the Jamaicans are in Canada, the Canadians will be equally busy. They will attend the Jamaican Army and Air Cadet Annual Camp until July 26. The Canadian cadets will then be entertained for a week in the homes of Jamaican families. During a further period in camp at Kingston starting on August 3, they will prepare for participation in Jamaica's independence celebrations and for the opening of the ninth Caribbean Games. This ten-day period will also include opportunities for sightseeing.

The climax of the experiment will consist of eight days of arduous training, including a trip round the island.

The RCAF, having returned the Jamaican cadets to Kingston on August 23, will bring the Canadian cadets home.

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### CANADIAN OFFICE IN BRASILIA

The office of the Canadian Government in Brasilia, the new capital of Brazil, was opened recently. This post is a branch of the Canadian Embassy, which is still located in Rio de Janeiro. The officer in charge is Mr. D.P. Cole, Second Secretary. Canada is the sixth country to establish an office in Brasilia with a resident officer. Others include the United States, the United Kingdom and France.

### TWO NEW BRIDGES

#### SEAWAY BRIDGE

Mr. Clarence D. Martin, Under Secretary of Commerce for Transportation of the United States, and Mr. Léon Balcer, Canada's Minister of Transport, represented their respective countries at ceremonies marking the official opening of the Seaway Bridge near Cornwall on July 3. The new bridge links Canada and the United States by means of two spans across the North and South Channels of the St. Lawrence River at Cornwall Island.

The Royal Canadian Air Force Transport Band from Trenton, Ontario, and the 94th Infantry Division Band from Boston, Massachusetts, provided a concert in the ceremonial area until the dedication began. The Cornwall Canadian Legion Pipe Band took part in the programme, playing the first cars across the new North Channel span to Cornwall.

The Rev. J.C. Kellogg, President of the Ministerial Association of Cornwall, offered the dedication and Monsignor L.B. Bérubé of Massena, New York, pronounced the benediction.

The Seaway Bridge provides the only crossing of the St. Lawrence for some 80 miles between Prescott-Ogdensburg, near the Thousand Islands, and Coteau-Valleyfield, Quebec, at the foot of Lake St. Francis.

#### CHAMPLAIN BRIDGE

Montreal's Champlain Bridge was opened to traffic on June 29, three months earlier than expected. Plans are being made for an official ceremony marking the inauguration of the bridge, to take place some time in July.

The new six-lane highway bridge spans the St. Lawrence River at Nuns' Island and crosses the Laprairie Basin and St. Lawrence Seaway. More than four miles long, it will be the fourth bridge connecting Montreal Island with the South Shore and will accommodate about 12,000 vehicles an hour at capacity.

Champlain Bridge has a superstructure of pre-stressed concrete throughout, except for the part that passes over the Seaway. Here a steel cantilever suspension design 2,485 feet long and weighing about 11,000 tons provides a 120-foot clearance for ships passing beneath. Exceptional design features, such as the size of the pre-stressed concrete girders and unique building techniques employed in its construction, make this one of the world's most outstanding bridges.

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### FIRST KLONDIKE CLAIM MARKED

The "Discovery" claim on Bonanza Creek, which launched the Klondike Gold Rush of 1896, has been declared a national historic site. The monument, 12 miles outside Dawson and within a 1,000 feet of the original claim, was unveiled on July 2 by Harry Leamon of Dawson City, a "sourdough" who came to the Yukon in 1898.

Mr. Leamon, still an active prospector, saw Dawson City at the peak of the Gold Rush when thirty to forty thousand prospectors took more than