ABSTRACTS OF CANADIAN PATENTS ON
THE PRODUCTION OF HEAVY WATER

by

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ABSTRACT

With a plant in the commissioning stage at Glace Bay, Nova Scotia and another under construction near Port Hawkesbury, Nova Scotia, Canada is becoming a major producer of heavy water. Each of these plants has a capacity of 400 tons per year. A third plant with the same annual production and scheduled for operation in 1972 has been approved recently and the contract awarded. It will be owned by AECL and constructed on the same site as the reactor now in operation at Douglas Point on Lake Huron.

This collection of patent abstracts has been compiled to aid Canadian industry and others when considering further plants for producing or upgrading heavy water. The abstracts are divided into three groups according to the nature of the production process:

1. Distillation Processes
2. Isotopic-Exchange Processes
3. Water-Electrolysis Processes

Fifty-seven patents are abstracted and cover the period from 1937 to January 1969. No guarantee is made or implied that this list is complete, though the aim has been to make it so.

Chalk River, Ontario
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