

at the Old Vic, with Douglas Campbell (director of the Festival's present production of the same play) as Bottom. He will follow that with "Much Ado About Nothing", with Christopher Plummer as Benedick and music by Louis Applebaum, at Stratford-upon-Avon before returning to Canada in time for the 1961 Stratford, Ontario, season.

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## REACTORS FOR NORTHERN CANADA

The annual cost of operating a small nuclear-power plant at Frobisher Bay on Baffin Island would be 22 per cent greater than the annual cost of operating a conventional, oil-burning power-plant at the Arctic centre, a report prepared for Atomic Energy of Canada Limited declares.

This was one of the conclusions reached by engineers of the Atomic Energy Division of Canadian Westinghouse Co. Ltd., Hamilton, Ontario, who prepared the report after studying small United States reactor types that use enriched uranium for fuel. They compared the cost of operating these small reactors with the estimated cost of an oil-fuelled electricity and heating plant proposed for Frobisher Bay by Montreal Engineering Co. Ltd.

The plants compared would each produce 2,000 kilowatts of electricity and 17,500 kilowatts of heat for a population of 1,500.

The Canadian Westinghouse report also concluded that, if there were an Arctic centre that required a nuclear plant large enough to produce 4,100 kilowatts of electricity and 35,900 kilowatts of heat, the total annual cost of a nuclear plant would be only two per cent greater than that of a conventional, oil-burning power plant.

## UNSUITED TO SMALL CENTRES

Natural-uranium fuelled and heavy-water moderated plants such as that to be built at Douglas Point, Ontario, have a low fuel cost but a high capital cost. Because of the latter cost, this type of station will be economic only if it has a relatively large power output, in the region of 150,000 kilowatts or more. Thus it would be unsuitable for Arctic centres that require small amounts of power and space heating.

Canadian Westinghouse therefore studied United States reactor types that use enriched uranium for fuel and ordinary water for coolant. Known as pressurized-water reactors and boiling-water reactors, they have higher fuel costs because they use enriched uranium for fuel but have lower capital costs because they can be made in smaller sizes.

The Westinghouse report will serve as a guide for people contemplating the use of a small nuclear-power plant. Tables in the report compare the cost of oil with the cost of nuclear power produced from plants of various sizes.

Copies of the report may be obtained on prepayment of \$1.50 each from the Scientific Documents Distribution Office, Atomic Energy of Canada Limited, Chalk River, Ontario. The report is titled "Small Reactors for Northern Canada" and is A.E.C.L. publication number 1045.

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## OVERSEAS TIMBER MISSION

Mr. Gordon Churchill, Minister of Trade and Commerce, has announced that a Canadian Timber Trade Mission will proceed to the United Kingdom and Ireland in October, in order to stimulate the demand for Canadian timber, plywood and other wood products in those countries. Mr. Churchill said the purpose of the mission is to study changing conditions in these markets and to examine the effectiveness of production, marketing and sales-promotion methods as they affect Canada's lumber exports.

## PROMOTIONAL GROUNDWORK

The mission will comprise twelve leading exporters from the Atlantic Provinces, Quebec, Ontario and British Columbia. It will take advantage of the intensive promotion campaign on which the Department of Trade and Commerce has been engaged in the United Kingdom, particularly in the last three years. Timber specialists at Canada House, in London, have embarked on lecture tours, and discussed with regional associations of building societies the benefits of timber-frame construction, in order to ensure the availability of mortgage funds for this type of housing.

The department has also engaged in an advertising campaign in leading British trade publications read by architects, contractors, builders and municipal authorities. The characteristics and appearance of timber from all parts of Canada are featured in these advertisements, and the many ways in which different woods can be used are described. Considerable interest was shown by visitors to the Canadian Trend House in the Ideal Home Exhibition at Olympia, in London, last March, which featured timber-frame construction. In addition, it has been departmental practice to participate in the principal annual building-trades exhibitions in the United Kingdom and to produce special publications for distribution by trade commissioners.

## ITINERARY

Members of the mission will leave Toronto by air on October 14 for London, and will attend the Manchester Building Trades Exhibition, at which Canada will again be represented with an attractive display of lumber and other forest products. They will also visit Hull, Liverpool, Glasgow, Belfast and Dublin, where they will be afforded opportunities of discussing the merits of Canadian timber with