

DEFENCE RESEARCH BOARD ACHIEVEMENT, 1952

YEAR-END REPORT: The Defence Research Board, Canada's "fourth arm of the services", earned an impressive record of achievement during 1952.

The participation by Dr. Omond M. Solandt, Chairman of the Defence Research Board, in the October British atomic test off Australia's Monte Bello Islands, highlighted the Board's activities.

An active participant working with trial director Sir William G. Penney; Dr. Solandt's prime interest was a civil defence survey to determine the possible effects of the explosion on humans.

DRB STAFF MEMBERS

In addition, four DRB staff members were loaned to the British at their request to assist in the preparations and the actual trials. The four are continuing to assist in Britain's atomic weapons research....

In line with the Board's interest in special Canadian problems, Arctic area investigations were extensive in 1952. Some of the romance of past exploration expeditions was recaptured during the summer and autumn when Mr. Thomas H. Manning, famed Arctic traveller and zoologist, accompanied by Ottawa university student Andrew MacPherson sailed a canvas canoe partially about the bleak coast of Banks Island in the Arctic Ocean....

S/L Keith Greenaway, seconded to DRB's Arctic Section from the RCAF for the past four years, brought honour to Canada, the Board and to his Service in 1952 by winning the Thomas L. Thurlow Navigation Award which is recognized as the western world's most prized navigational distinction....

In the field of electronics, DRB contributed substantially towards the cost of a

giant, British electronic computer installed this year at the University of Toronto's computation centre. The facilities of the centre are available to university, government and industrial organizations and the Board has contracted to assist financially with grants for special computations....

Similar assistance has been extended by DRB to the Eaton Electronics Research Laboratory at McGill University. The grant was used for the purchase of scientific installations and to equip a machine shop. The laboratory carries out electronic research of national importance, much of it relating particularly to important Board Projects.

SCIENTIFIC CENTRES

Other similar grants, varying in amount according to their objectives, were made available to several other universities and scientific centres. In addition, financial assistance was extended to approximately 300 individual researchers....

Operational research, a fast-growing speciality in industry as well as in the armed forces, played an increasing important role in the Board's activities with teams operating both in Canada and in Korea....

Liaison and the exchange of information and techniques with the U.K. and the U.S.A. continued as in the past in many fields of research....

The Board's first attempt at orthodox gun design has proved successful with the production of a prototype pack howitzer. Designed primarily for use in mountainous areas, the gun promises a variety of operational uses....

Development of Canada's first guided missile, a complex air-to-air device under design at Valcartier is progressing satisfactorily...

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CORONATION ARRANGEMENTS: The Coronation Committee of Canada has announced the following arrangements, approved by the Canadian Government, for the participation of Canada in the coronation ceremonies:

A recommendation is to be presented that the official Canadian delegation to the Coronation be composed of the following persons:

The Prime Minister, Rt. Hon. C.D. Howe, Rt. Hon. J.G. Gardiner, Hon. Alphonse Fournier, the Leader of the Opposition, the Leader of the Government in the Senate, the Secretary of State and Chairman of the Coronation Committee for Canada, Mr. Bradley, the Chief Justice, the Speaker of the Senate, the Speaker of the House of Commons, the Leader of the Opposition in the Senate, the High Commissioner for

Canada in the United Kingdom and the Under Secretary of State.

It is expected that most members of the official delegation will be accompanied by their wives. Four representatives of veterans' organizations in Canada will also attend the Coronation at the expense of the Government of Canada.

In addition to the members of the official delegation and the four representatives of veterans' organizations, recommendations, based on official precedence, will be made, to the extent of Canada's allotment of seats in the Abbey, for invitations to attend the ceremony there..

Substantial blocks of seats in stands at various points along the procession route will be available for allocation to Canadians.