

include studies of defence against missiles, studies of the properties and application of infrared and other detection devices, exploration of the upper atmosphere with balloons and rockets, and the development of rocket propellants.

The Defence Research Telecommunications Establishment in Ottawa is concerned mainly with problems of communications which involve exploration of the ionosphere with ground-based equipment, with rockets and with satellites, and the applications of the science of electronics to military problems. Research on the defensive aspects of chemical, biological and atomic weapons is carried out at two Defence Research Board establishments—the Defence Chemical, Biological and Radiation Laboratories at Ottawa, Ont., and the Suffield Experimental Station at Ralston, Alta.

The Defence Research Medical Laboratories near Toronto are concerned with biosciences research, chiefly with raising the operating efficiency of man working in the military environment, and includes such subjects as human physiology, experimental psychology and research on clothing.

Operational research is carried on by an integrated headquarters group which conducts long-range scientific analysis of future defence problems. The staff consists of operational research scientists provided by the Board and service officers. The Board also provides operational research scientists as members of teams in the various Service Commands.

Thus, the Board continues to support the fields of research that are of foremost interest to the Canadian Armed Services and the program is under continuing review to ensure that cognizance is taken of all changes in emphasis in defence requirements. Close liaison is maintained between the Defence Research Board and the Department of Defence Production to ensure that research and development activities are closely integrated with production.

PART II.—DEFENCE PRODUCTION*

Under the provisions of the Defence Production Act (RSC 1952, c. 62, as amended), the Department of Defence Production has exclusive authority to procure the goods and services required by the Department of National Defence and the responsibility to ensure that the necessary productive capacity, capability and materials are available to support the defence production program. The latter responsibility includes defence development and production-sharing with the United States, defence production export activities with NATO and other friendly countries, and co-operation in research, development and production programs within the NATO alliance. The Department also provides management and staff for the Canadian Commercial Corporation, a Crown company primarily responsible for the contracting in Canada for defence goods purchased by other governments and for contracting for supplies to meet Canadian requirements under External Aid Programs and other international agreements. The Department is responsible for planning and making other necessary arrangements for the immediate establishment of a war supplies agency, should there be a nuclear attack.

Implementing recommendations of the Royal Commission on Government Organization, the Government assigned to the Department of Defence Production the responsibility for forming a central purchasing and supply agency. The plan of organization for a future Department of Supply prepared by the Department requires the integration of the purchasing organization of Defence Production with supply functions. These supply functions were grouped with the regional purchasing function of Defence Production and Crown Assets Disposal Corporation to form the Canadian Government Supply Service.

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