

and that the research should be supported by civil and military parts of the Government. The Board's Radio Physics Laboratory has designed and supplied the special equipment and has trained the operators for a chain of Department of Transport ionospheric observatories which are scattered across the auroral belt. The results of the observations from these stations are analysed at the Radio Physics Laboratory and are used not only to issue current forecasts of the most effective radio transmission frequencies but also in more fundamental research to improve communications in the north. The results are passed to the Central Radio Propagation Laboratory at Washington, U.S.A., where they are used in the compilation of world-wide frequency prediction tables. The whole program is an example of logical specialization and of effective interdepartmental and international co-operation.

New laboratory buildings will be utilized shortly at the Naval Research Establishment at Halifax, N.S.; the Canadian Armament Research and Development Establishment near Ottawa and the Defence Research Kingston Laboratory at Kingston, Ont. Construction has started on new laboratories in Ontario for the Defence Research Medical Laboratory at Toronto and the Defence Research Chemical Laboratories near Ottawa.

Pursuing its established policy, the Defence Scientific Service continues to make available to the scientific community at large those results of its work that have other than a purely military importance.

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.

Section 2.—Services Colleges and Staff Training

Canadian Services Colleges.—The Royal Military College of Canada was founded in 1876 at Kingston, Ont. Royal Roads was established in 1941 near Victoria, B.C., as a school for naval officers. In September 1948, both colleges were constituted as the Canadian Services Colleges to provide a joint educational and training program that would produce officers for the three Armed Services of Canada.

The course at the colleges is of four years' duration, the first two years of which may be taken at either Royal Roads or the Royal Military College. The third and fourth years are taken at the Royal Military College only. Cadets who complete the first two years at Royal Roads proceed to the Royal Military College for the last two years of the general or engineering courses. Fees for the first year total \$580; each succeeding year costs \$330.

Graduates are qualified without further academic training for entrance to any of the three Services, active or reserve, as acting sub-lieutenant in the Navy, lieutenant in the Army or flying officer in the Air Force. Technical course graduates may be sent by the Services for further training to degree standard at specified universities.

A candidate for admission to the colleges must be a British subject between 16 and 21 years of age, have junior matriculation as the minimum education and be physically fit. Qualifying examinations in English or French are required,