

Much can also be done toward adapting the machines of war to the limitations of their human operators and increasing the efficiency of the use of manpower in war. The second is the direct application of the fundamental principles and methods of science to the study of war conditions. This work, which was usually called "Operational Research" or "Operations Analysis" greatly increased our understanding of war and strongly affected tactics and even strategy. There is a great need for the application of the same methods to many social problems in peacetime.

To summarize, Canada should include research as an important element in her plans for National Defence. Research for defence should be directed toward relatively fundamental problems so that the results will be of value whatever the future may hold. The fields of research should be chosen to make use of special Canadian resources and capabilities and should, where possible, produce results of peacetime value. Such a programme will make an important contribution to national strength, but will in no way increase the likelihood of war. It is a positive attempt to foster and maintain a healthy, prosperous and secure peace and to increase the safety of the nation and of mankind in a world that is threatened by vast new forces for mass destruction.

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