

makes it necessary, before any decisively valuable results may be obtained in the production of commercial rust-resistant hybrids, that there should be a thorough investigation to determine the total number and characters of the rust strains of all the districts in the western provinces and to ascertain whether new ones are continually originating and if so under what conditions. The attempts to produce new varieties of wheat by hybridization must, therefore, to be successful, wait till such an investigation is completed.

In 1919, an Associate Committee was appointed by the Research Council, under the chairmanship of Professor J. J. R. Macleod, of the University of Toronto, to carry on investigations in Canada on industrial fatigue, a problem which affects the social welfare of the entire industrial population. In December, 1919, it was decided that an information bureau should be established in Toronto, in which all available literature pertaining to problems of industrial hygiene might be collected, catalogued and abstracted and that a Secretary to the Committee should be appointed to undertake the supervision of these duties.

The Library thus established, consisting of occasional publications of Government Departments, reports on scientific research and trade surveys, etc., amounts to nearly four hundred publications and covers the field of industrial hygiene fairly comprehensively. All this material and also references collected from a variety of sources have been indexed. The Committee also authorized the employment of Dr. Cunningham, Lecturer in Industrial Hygiene in the University of Toronto, to undertake certain investigations into the working conditions in Toronto and neighbourhood. The Committee considered that the most suitable work for Dr. Cunningham to undertake first was an investigation to ascertain in certain selected but representative industries the amount of lost time due to sickness, and the amount of labour turnover. Other problems were also, however, borne in mind. The preliminary work of the Committee has now been completed and a report of their work will be published by the Research Council in the near future.

During the last three years forest investigations have been conducted in the Petawawa Reserve by the Forestry Branch of the Department of the Interior with the aid of grants from the Research Council. The object of this survey is to delineate and describe the various forest conditions; to gather data in regard to topography, soil, distribution of age classes, growth, available supply of saw timber, etc.; in short, to collect all such information as will be of help in planning the organization and management of the experimental area. All this information is to be used to determine ultimately the scientific conditions on which effective reforestation may be carried on in Eastern Canada. The data so far obtained are numerous and valuable, but the survey and the necessary investigation associated with it must be continued on a much larger scale for at least ten years further in order to provide all the information necessary to attain the ultimate object of these studies.