

- (a) The improvement and development of manufacturing and other industries by the introduction of advanced methods and processes.
- (b) The discovery and better development of the natural resources of the province and the discovery and utilization of the by-products of any processes in treating or otherwise dealing with the mineral, timber and other resources of the province.
- (c) The development and improvement of methods in the agricultural industry and the betterment, welfare and progress of farm life.
- (d) Scientific research and investigation for the mitigation and abolition of disease in animal or vegetable life and the destruction of insect or parasitic pests.
- (e) Generally, the carrying out, with the approval or under the direction of the Lieutenant-Governor in Council, of any other research work or investigation which may be deemed expedient.

The scheme provides that half of the cost of the Foundation shall be borne by the Legislature and the remaining half by subscriptions to be received from industries and private subscribers. An Advisory Council of 25 persons representing the scientific, agricultural and industrial interests of the province was established by Order in Council of May 14, 1929.

The present premises of the Ontario Research Foundation are 47 Queen's Park, Toronto, with additional quarters in a new building fronting on St. Joseph Street.

At the commencement of 1932 there were twenty full-time research men on the staff as well as the necessary administrative and non-technical workers. Industrial fellowships are supported by the following organizations: Canadian Automobile Manufacturers' Association, Consumers' Gas Company, Canadian Woollen Manufacturers' Association, Courtlands (Canada), Ltd., Ontario Metal Industries Research Association and a group of Ontario tanners. Problems not fundamental in character but nevertheless of importance to manufacturers are constantly under investigation. In these cases a research fellow is assigned to a definite problem and the cost of the investigation is borne by the firm concerned. The type of these investigations will be indicated by the following: the cause of spoilage of canned food-stuffs; the use of egg yolks in tanning; the examination of materials, hitherto imported from the United States, used in the baking industry and their substitution by Canadian products; the production of a special metal formerly imported from the United States and used in the manufacture of motor cars; and as many other problems of interest to industrialists. Officers of the Department of Agriculture and the Department of Mines have co-operated with the staff of the Foundation and financial support has been given to investigations of mutual interest. The various laboratories have been suitably equipped and researches in the following fields are in progress: textiles, bio-chemistry, bacteriology, animal pathology, leather, physical and chemical metallurgy, ceramics, fuel, gas, chemistry, agricultural economics, as well as geophysical prospecting and soil surveys in certain localities in the province. A report covering the work of the Foundation is issued annually.