

The Council during the year 1920 appointed a number of Associate Committees to superintend special lines of research. Amongst these is the Physics and Engineering Physics Committee, constituted to deal with all questions concerning researches in pure physics and also in physics on the engineering side. This Committee is composed of the leading professors of physics in the universities of Canada and it also contains in its membership a number of others who are engineers with special attainments in physics. An Associate Biological Committee was constituted of the leading biologists, physicists and biochemists in Canada, to encourage research on problems in marine biology and physiology. An Associate Committee on Food Research was appointed, composed of a number of biochemists whose work will be to investigate not only the vitamins but also any problem which concerns the nutrition of the human subject. A Fuel Research Board was also appointed. Its functions will be to standardize the coals from the various mines of Alberta and publish the results of its work, to guide the market in the use of these coals. An Associate Air Research Committee was appointed to initiate and superintend researches in problems connected with aviation. This Committee is working in close co-operation with the Air Board of Canada, representatives of which attend its meetings and take part in the work of the Committee.

Since the war ended there has been a steady increase in the number of qualified applicants for the Bursaries, Studentships and Fellowships instituted by the Research Council. During 1919-20, six Bursaries, 19 Studentships and 7 Fellowships were awarded. Before the beginning of the academic session 3 of those awarded Bursaries, 4 of those awarded Studentships and 2 of those awarded Fellowships had resigned them. Two of the Fellowships were held in England at the Universities of Cambridge and Manchester, while the other 22 students were engaged in research work at various Canadian universities. One of the most serious handicaps to research work in Canada at present is the scarcity of highly trained persons qualified to conduct researches and bring them to a successful conclusion. This situation also exists in a smaller degree in both England and the United States, and the only way by which the need of Canada in this respect can be met is to award to potential researchers during the next few years a larger number of Bursaries, Studentships and Fellowships. The Research Council, therefore, decided to award for 1920-21 ten Bursaries, twenty-five studentships and ten Fellowships, and it is intended to increase this number still further as the supply of qualified applicants therefor may demand.

NATIONAL RESEARCH INSTITUTE.

The Research Council has, for the past two years, urged that a Central Research Institute be established at the earliest possible date, whose functions will be that of carrying on research not only in pure science in relation to the standards of measurements, quality