

possible service in three main directions:—(a) the training of research workers; (b) the granting of financial assistance toward the prosecution of important, approved researches; (c) the co-ordination and stimulation of research work in Canada on problems of national importance.

**Training of Research Workers.**—In order to develop in Canada a corps of highly trained research men for service not only in the universities and technical schools, but also in the industries and technical departments of the Dominion and Provincial Governments, the Research Council has established three classes of scholarships which it awards under the titles of bursaries, studentships and fellowships. These awards have a value, respectively, of \$750, \$1,000 and \$1,200 and are intended to enable students who have graduated with distinction from a university to continue their post-graduate training in science. These awards are given to the best qualified applicants therefor, the minimum qualifications for a bursary being graduation with distinction from an approved university; for a studentship, one year of post-graduate research experience; and for a fellowship, clearly demonstrated ability to carry on independent research.

During the 8 years ending Mar. 31, 1925, the National Research Council awarded 109 bursaries, 86 studentships and 42 fellowships. These 237 awards were held by 151 persons in 13 departments of science at 16 universities. The result of these awards has been the publication of 295 papers by the grantees, of whom 134 have been enabled to secure the degree of M.A. or M.Sc. and 41 their Ph.D. degree.

It is of particular interest to note the present occupation of the persons who have completed their training under these awards. Of these, 34 persons are engaged in the teaching profession, 24 persons are employed in industry and 22 have accepted positions in the technical branches of the Dominion and Provincial Governments, and the balance, so far as it has been possible to ascertain, are continuing their post-graduate studies under some other auspices.

**Assisted Researches.**—During the past 8 years the National Research Council has granted financial assistance to 78 distinct researches; of these investigations, 26 were completed before April 1, 1924. During the year 1924–25 there were in progress, in 19 departments of science at 14 Canadian universities, 52 researches to which financial assistance had been granted by the Council. The number of researches which were in progress in the various departments of science is as follows:—physics, 10; chemistry, 8; biology, botany and biochemistry, 5 each; field husbandry, 4; mining engineering and bacteriology, 3 each; electrical engineering and zoology, 2 each; one in each of forestry, plant-breeding, entomology, physiology, pathology, geology, metallurgy, mechanical engineering and general engineering. University laboratories situated in every province of Canada where such facilities are available were utilized in the prosecution of these investigations.

During the past 8 years the Council has expended a total sum of \$290,734 in carrying on special researches, of which amount \$153,753 was awarded to assist researches in progress during the year 1924–25. Part of this sum had, of course, been expended in connection with researches which have been in progress for more than one year, but during the year above mentioned the Council actually expended the sum of \$49,122 in this service, or 41 p.c. of the total appropriation provided for all phases of the work of the Council.