

## SECRETARY'S REPORT.

The Hon. D. G. SULLIVAN, Minister in Charge of the Scientific and Industrial Research Department.

I have the honour to submit herewith the annual report of the Department for the year 1941-42.

The Council of Scientific and Industrial Research held six meetings during the year.

The personnel of the Council is as follows :—

Professor H. G. Denham, M.A., D.Sc., Ph.D., F.I.C., F.R.S.N.Z., Professor of Chemistry, Canterbury University College, Christchurch (Chairman).  
 Dr. J. C. Andrews, Ph.D., M.Sc., Freezing-works Manager, Auckland.  
 Mr. A. H. Cockayne, I.S.O., Director-General of Agriculture, Wellington.  
 Professor E. R. Hudson, B.Sc., B.Agr., Dip. C.A.C., Director, Canterbury Agricultural College, Lincoln.  
 Dr. R. O. Page, D.Sc., Tannery-works Manager, Christchurch.  
 Mr. G. A. Pascoe, Factory Controller, Department of Industries and Commerce.  
 Mr. J. M. Ranstead, Dip. C.A.C., Bledisloe Medallist, Matangi, Farmer.  
 Professor W. Riddet, B.Sc. (Agric.), N.D.A., N.D.D., Massey Agricultural College.  
 Sir Theodore Rigg, M.A., M.Sc., F.I.C., F.R.S.N.Z., Director, Cawthron Institute, Nelson.  
 Dr. E. Marsden, M.C., C.B.E., D.Sc., F.R.S.N.Z. (Secretary).  
 Mr. F. R. Callaghan, M.A., F.R.E.S. (Deputy Secretary).

Mr. T. H. McCombs, M.P., M.Sc., is the special representative of the Hon. the Minister on the Council.

The expenditure of the Department during the year was as follows :—

### Permanent services—

Head Office : Comprising general expenses of administration, publications (including the <i>New Zealand Journal of Science and Technology</i> and departmental bulletins), research scholarships, and grants to the Royal Society of New Zealand, the Imperial Institute, and the Carter Observatory .. .. .				£
				14,977
Dominion Laboratory (with branches) .. .. .				22,421
Dominion Observatory .. .. .				1,615
Geological Survey .. .. .				10,805
Magnetic Observatory .. .. .				3,171
Grants to Imperial Agricultural Bureaux .. .. .				*
Physical Testing and Standards Laboratory .. .. .				10,950
Research investigations .. .. .				139,227
				<hr/> 203,166
Recoveries .. .. .				40,509
				<hr/> £162,657

### Grants were made to the following research organizations in Great Britain :—

	£
Imperial Agricultural Bureaux Headquarters .. .. .	1,438
Cambridge Low Temperature Research Station .. .. .	500
Farnham House Laboratory .. .. .	375
Wool Industries Research Association, Torridon .. .. .	50
Imperial Mycological Institute .. .. .	350
Imperial Institute of Entomology .. .. .	450
Imperial Bureau of Dairy Science .. .. .	113
Imperial Forestry Bureau .. .. .	187
	<hr/> £3,463*

\* Contributions to research organizations in Britain as shown were paid by the High Commissioner for New Zealand, but the relative vouchers arrived in New Zealand too late to be included in the accounts for the financial year ended 31st March, 1942. The total payment of £3,463 will be brought to charge in the financial year 1942-43.

During the year the activities of the Department as a whole have been further concentrated on problems of a defence nature and problems arising from war conditions. Certain research and development problems are being investigated by a special branch of the Department in collaboration with University colleges and other Departments.

The membership of the special Defence Scientific Advisory Committee is as follows :—

Dr. E. Marsden, Director of Scientific Developments (Chairman).  
 Representative of the Chief of the General Staff.  
 Representative of the Chief of the Naval Staff.  
 Representative of the Chief of the Air Staff.  
 Mr. R. L. Andrew, Dominion Analyst.  
 Dr. J. C. Andrews, Freezing-works Manager, Auckland.  
 Professor P. W. Burbidge, Professor of Physics, Auckland University College.  
 Squadron Leader G. Carter, Munitions Controller.  
 Professor H. G. Denham, Professor of Chemistry, Canterbury University College.  
 Professor T. D. J. Leech, Professor of Engineering, Auckland University College (Deputy Director, Engineering).  
 Professor F. G. Soper, Professor of Chemistry, University of Otago (Deputy Director, Chemical).  
 Mr. N. A. Marris, Department of Scientific and Industrial Research (Secretary).