

Miss M. G. Frengley, in a research on New Zealand cheese made at the Dairy Research Institute, found that the nutritive value was high owing to the digestibility of the protein and to the presence of vitamin A and D in the cheese-fat. From the human-food-value point of view no difference could be detected between cheese made from raw milk and that made from pasteurized milk.

Miss Herrick, in a research extending over two years, followed the distribution of vitamin D in milk during the process of buttermaking (Massey College). The butter contains all the vitamin D of the milk, except for the small amounts lost in the fat of separated milk and of buttermilk.

Part of a research was also carried on by Miss Wilson on the nutritive value of some New Zealand milk-products specially designed for infant-feeding.

Full accounts of the above work are in process of publication.

BUILDING REGULATIONS COMMITTEE.

Shortly after the disastrous earthquake in Hawke's Bay the Government set up a Building Regulations Committee under the joint auspices of the Departments of Public Works and Scientific and Industrial Research. An officer of this Department acted as secretary to the Committee. The Committee was instructed to prepare a report embodying such recommendations as it thought fit, with a view to improving the standard of building-construction in the Dominion in relation to earthquake-resistance. The need for such improvement was vividly illustrated in the appalling loss of life and property as a result of the Hawke's Bay earthquake.

The work, in addition to local investigations, has involved the collection and sifting of a great deal of data from overseas—notably from Japan and California.

PUBLICATIONS.

During the year three new bulletins were published as follow :—

No. 27 : "Treatment and Disposal of Dairy Waste Waters," by F. H. McDowall.

No. 28 : "Wheat Research Institute—First Annual Report."

No. 29 : "Low-temperature Carbonization of New Zealand Coals—3. Millerton and Blackball Coals," by W. A. Joiner.

RESEARCH SCHOLARSHIPS.

Three National Research Scholarships, with an annual value of £110, plus a certain additional amount for the purchase of books and apparatus, have been awarded during the year.

The holders of these scholarships, and the researches upon which they are respectively engaged, are as follow :—

I. R. Sherwood, Auckland University : Synthesis of Diterpenes.

H. D. Purves, Otago University : Biochemistry of the Sulphur Compound of New Zealand Pastures.

E. W. Hullett, Canterbury College : Chemistry of Ragwort. (Extension for six months.)

IMPERIAL AGRICULTURAL RESEARCH BUREAUX.

The organization of the eight Imperial Agricultural Research Bureaux has now been brought fully into operation, the local correspondents dealing with a large amount of material which is being compiled at the Bureaux headquarters.

During the year a considerable number of inquiries have been forwarded to the Bureaux headquarters for detailed information on specific points as required by local investigators.

"NEW ZEALAND JOURNAL OF SCIENCE AND TECHNOLOGY."

The *New Zealand Journal of Science and Technology* has been regularly issued during the past year at intervals of two months. The *Journal* continues to function as a means of permanently recording the results of investigations conducted in a large number of spheres in New Zealand.

Extensive use has been made of reprints from the *Journal* itself in the dissemination of the results of researches to those most interested.

The publication of the *Journal* enables a large number of exchanges of overseas scientific journals to be made available to local investigators.