

Prof. Greig of the Engineering Department is co-operating with Dr. MacLaurin in working out methods and appliances for the production of gas from wheat and other straws. The Dairy Department has been co-operating with the Dairy Branch of the Provincial Department of Agriculture in the grading of creamery butter. The University is co-operating with the Health of Animals Branch of the Dominion Department of Agriculture in the investigation of swamp fever in horses—a disease which has caused the death of horses in many parts of the prairie provinces, as well as in the states to the south. Drs. Hadwen and Cameron, associated with Dr. Ransom of Washington, D.C., have been engaged in the work. Dr. Thompson of the Biological Department is co-operating with the Dominion Experimental Farms in the breeding of rust-resisting varieties of grain.

MANITOBA.

Manitoba Agricultural College, Winnipeg.—The Field Husbandry Experimental work has been divided into five divisions: Forage Crop Improvement, Cereal Crop Improvement, Soil Management, Crop Management and Co-operative Experiments. The work in the Cereal division consists in making variety tests and endeavouring to improve the standard varieties by selection and hybridization. The object of the Forage division is to secure and improve plants for the production of pasture, hay, and fodder for live stock. The improvement is being brought about by importation, selection and hybridization. Among the crops under this experiment, good results are being obtained with alfalfa, sweet clover, red clover, timothy, western rye grass, brome, meadow fescue and meadow foxtail. Some work is also under way in the improvement of fodder corn and field roots. The experiments in crop management were outlined to answer the questions that farmers are asking in regard to the management of their crops. In Soil Management, work has been undertaken in soil cultivation, soil fertility and crop rotation.

The Co-operative Experimental work consists in carrying on the soil and crop management work on various farms throughout the province, the seed and other extra expenses being borne by the Department of Field Husbandry, while the farmers, practically in all cases ex-students of the College, carry on the work. They are inspected from time to time by a representative of the Department, who compiles the data. In connection with this co-operative work, the demonstration farms at both Killarney and Birtle have a much more comprehensive scheme and carry on much the same work as is done at the College on the experimental field. The Departments of Botany, Horticulture, Animal Husbandry, Physics, Chemistry, and Engineering are also doing considerable investigational work.

ALBERTA.

College of Agriculture, Edmonton South.—A College of Agriculture has been established at the new University of Alberta, Edmonton South. Students completing two years at the provincial