

being used; and an attempt is being made to demonstrate the possibility of bringing in land by the use of commercial fertilizers and of a triennial rotation during which a clover sod is once ploughed under. A permanent pasture experiment was begun seven years ago to determine the value of top dressing with basic slag, acid phosphate and wood ashes. Experiments to determine the fertilizing value of a crude salt mined at Malagash have given good results for man-golds and in some cases also for grain crops. Three classes of silage crops are being tried under identical conditions, viz., corn, sunflowers and "O.V.P." (the College name for a mixture of oats, peas and vetches). The value of the O.V.P. mixture is now thoroughly proved under Nova Scotia conditions. Sunflowers have given good results for one year; but corn has proved very variable. Field and garden experiments have shown good results from the use of home grown oats, wheat, turnips and tomatoes, as compared with seed of these crops grown elsewhere. Experiments have been started in the control of the cabbage root maggot, and with insects affecting orchard fruits, carrots and other vegetables. The cabbage root maggot is now perfectly controlled, but further work remains to be done with other root and vegetable pests. In the Poultry Department experiments are being conducted with various kinds of feed, with the use of electric light in laying pens during the winter and with various strains of poultry. Details of the College experimental work, including results obtained, are published in the Annual Report of the Secretary for Agriculture for the province.

#### QUEBEC.

**Macdonald College, Ste. Anne de Bellevue.**—The College is situated about 20 miles west of Montreal and is incorporated with McGill University. The College property comprises 786 acres divided as follows: main farm, 584 acres; cereal husbandry plots, 75 acres; poultry department, 17 acres; orchard, 35 acres; vegetable gardens, 25 acres; the campus, including driveways, lawns, trees, shrubs, flowerbeds, school garden and recreation fields for students of both sexes, 50 acres. The agricultural engineering, animal husbandry, bacteriology, botany, cereal husbandry, chemistry, horticulture, physics, poultry, zoology and entomology departments are all well equipped for the numerous researches and experiments under way. More complete information respecting the work of the College will be found on record in Canada Year Book of 1916-17, pp. 241-242 and 1918, pp. 235-237. The annual report of the College and the annual announcement should be consulted.

**Oka Agricultural Institute.**—This, situated on the Lake of Two Mountains, about 20 miles from Montreal, is one of the oldest experimental farms in Canada, and is fitted to board 150 pupils. A large number of dairy cattle is kept, and experimental work is carried on with these and with swine, poultry and bees. Horticulture is practised largely; the growth of apples and small fruits is a specialty.