Agricultural Engineering Information Stencil No. 9 describes a home-made battery charger which is wind driven through an aeroplane type propeller six feet long. This machine uses the generator from junked automobiles and other old automobile parts to generate current for radio batteries in rural districts where electric power is not available. The demand for this stencil is due to the publicity given the device by the farm press.

In addition to the above, two hundred and eighty requests for Agricultural Engineering information were answered by letter.

Research:

1. Project to Ascertain the Influence of Tile Drains on the Soil Water Table.

This project, which is being conducted in co-operation with the Department of Physics, is now in its second year. Four plots located in important agricultural sections of the province, where underdrained lands are available for this study, were included in the study during the past year. These are located in the counties of Vaudreuil, Chateauguay, Huntingdon and Bagot.

To measure the depth of the water table below the ground surface, gauge pipes were placed in tile-drained land and in adjacent, undrained land, then measurements are made several tim s a week during the period of the year during which the water table is high, viz., from November until the end of May.

Data secured to date show that throughout the whole of the saturation period the tile drains exercise a positive control on the water table. During the first week in May of this year, for instance, after several days of heavy rains, the soil water table in three plots was found to be held down to from 16 to 25 inches