

products have been made to the Association of Official Agricultural Chemists (of the United States and Canada). A process of moulding maple sugar into cakes which do not harden and become mottled has been invented and is being perfected in the laboratory of the National Research Council. A process of recovering malic acid from maple sugar sand has also been worked out, but an American synthesis of the racemic form from maleic acid obtained by controlled oxidation of benzene has rendered the recovery of malic acid from sugar sand uneconomic.

Several papers on soil chemistry have appeared in Soil Science, Science, the Canadian Journal of Research, and Scientific Agriculture, the organ of the Canadian Society of Technical Agriculturists. Contributions have also been made to the Journal of Chemical Education, Canadian Chemistry and Metallurgy, the Journal of the American Chemical Society and the Journal of the Society of Chemical Industry.

Two part-time teaching assistants are employed and at present two graduate research assistants are at work under grants from the National Research Council. All of these except one of the research assistants are enrolled as candidates for advanced degrees, - one in the Department of Biochemistry, the others in the Macdonald College Department.

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Additional Facilities Required

The department should be in a position to take over a refrigerating outfit and some microchemical analysis apparatus provided by the Research Council for the work on maple products and also some apparatus for pH determinations provided for the work on soils.

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