

To the

SENATE OF THE UNIVERSITY OF TORONTO.

We, the examiners appointed by the Board of Postgraduate Studies for the consideration of the theses submitted by Mr. J. F. MacKey for the degree of Ph. D., are of the opinion that they are a distinct contribution to Chemical knowledge and beg to recommend that they be accepted for the degree of Doctor of Philosophy in this University.

W. R. LANG

T. L. WALKER

W. H. ELLIS

F. B. ALLAN

W. LASH MILLER

May 6, 1909.

A. P. COLEMAN

I hereby certify that the theses above mentioned have been accepted by the Senate of the University of Toronto for degree of Doctor of Philosophy in accordance with the terms of the statute in that behalf.

JAMES BREBNER,

Registrar

The University of Toronto,

June 9, 1909