

CONTENTS

ORIGINAL PAPERS

Mathematics and Bacteriology.— On the dilution method of counting bacteria. P.V. WELLS and W.F. WELLS	265
Physics.— Soft characteristic X-rays from arcs in gases and vapors. F.L. MOHLER and PAUL D. FOOTE	273
Terrestrial Magnetism.— The bearing of the Earth's size upon changes in its magnetization. W.P.G. SWANN	275
Petrology.— Preliminary note on monticellite alnoite from Ise Cadieux, Quebec. N.L. BOWEN	278

ABSTRACTS

Physics	281
Geology	282
Zoology	283

PROCEEDINGS

Philosophical Society	283
SCIENTIFIC NOTES AND NEWS	287