## New York State Museum

JOHN M. CLARKE Director

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PALEONTOLOGY 15

GEOLOGIC MAP

OF THE

**BUFFALO QUADRANGLE** 

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## **PREFACE**

The map herewith presented affords accurate data in regard to the surface rocks and succession of strata at and in the immediate neighborhood of the second city of the State in size and importance; over an area where the rocks yield and are eagerly exploited for natural gas, natural cement and other industrial products. Students of geology in Buffalo will find the map and its accompanying text a detailed guide to the rock sections of the region and to the scattered and often obscure outcrops of the formations.

The Buffalo quadrangle embraces geologic formations which extend from the Upper Siluric well into the Upper Devonic. The tracing of the boundaries of these formations here has been beset with special difficulties arising from the essentially level character of most of the region, the absence of creeks flowing across the strike of the beds over much of the area and the presence of an all obscuring mantle of glacial drift. The boundaries are therefore to some degree constructional, but are believed to be as nearly correct as can now be determined from data of every kind.

In approaching this region from the east the Helderberg escarpment traversing the State as a notable topographic feature here becomes lessened and flattened out; again, the northern edge of the Appalachian plateau which enters the southern part of the