

the complicated character of the geology necessitates a careful survey of the whole ground. The work has been greatly hampered also by the very imperfect character of the maps available, the new maps as yet barely reaching the region under consideration. The healthful and invigorating climate and the abundance of pure water are great compensations in their way.

The problems presented for solution are of the most difficult sort. The interpretation of the present topography, the working out of the complex history of the region during Glacial times and the deciphering of the complicated structure and history of the older rocks of the region are all matters requiring long and patient labor and the undivided attention of the worker. The writer's attention has been centered mainly on the latter problems, hence such work as has been done on the others has been incidental, and the fragmentary character of the results obtained is fully appreciated. Prof. J. B. Woodworth is now occupied with these matters, and, when his work is extended over the immediate region, great and important additions to our knowledge are sure to follow.

The summary of the geologic history of the region with which the report opens is for the convenience of the reader. The detailed evidence on which that summary is based will follow later and must be taken for granted till presented.

#### SUMMARY OF GEOLOGIC HISTORY

The rocks now exposed at the surface in the Adirondack region proper, are among the most ancient rocks known anywhere on the earth's surface, so that their record carries us far back, back to the remoter times of the geologic history of the earth. This early record is exceedingly difficult to decipher because of the great age of the rocks, because of the fact that they have been vastly modified in character by repeated action of great compressive forces, and because the rocks now at the surface were, at an early stage in the history of the region, deeply buried under several thousand feet of other rocks which have since been worn away. It was while thus deeply buried that the major part of