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ON THE PRE-GLACIAL GEOGRAPHY OF THE
REGION OF THE GREAT LAKES.

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The alliance of Geology with Physical Geography is not of long standing. Each science had separately done good work before by combining their forces they attempted yet greater undertakings. When Geology discovered and published the fact that the present outlines of the earth's surface had not always existed Physical Geography demanded the reproduction of the outlines passed away. The sister sciences thereupon joined hands, and set themselves to the task of reconstructing what we may call Extinct Geography. Long and arduous as it is, their efforts have already been crowned with no small measure of success—a success the greater, as might be expected, in proportion as the date is more recent. Quaternary maps are more full and correct than Tertiary, and Tertiary than Secondary; while the palæozoic coast survey has hardly yet begun.

The following attempt to reconstruct the early Quaternary Geography of the great American Lake District is offered as a small contribution to this department of science. The region is one of the most interesting upon the continent, both to the geologist and the physical geographer. Speculations have been made on the origin of these great inland sheets of water, but the