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THE GEOLOGICAL HISTORY OF THE QUEBEC GROUP.

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The history of the Quebec group fills a considerable place in American geology, and I have been at some pains to write and to publish elsewhere the principal facts regarding it. As the questions involved therein are still imperfectly understood it has seemed proper to me as the only survivor of those who were present at the naming of this group, and as the one who wrought its downfall, to rehearse briefly its history.

In the American Journal of Science for February, 1890, is a review by Mr. Charles D. Walcott of a second report by Dr. R. W. Ells, of the Canada geological survey, on the geology of parts of the province of Quebec, wherein he treats of the uncrystalline fossiliferous strata named by Logan the Quebec group, and also of the crystalline schists adjacent to them in the hills on the east and south, described by Logan as being of contemporary age, and the result of a so-called metamorphosis over a large area of the lower portions of the same Quebec group, and hence mapped and designated by him as the Altered Quebec group. The reviewer refers to this region of eastern Canada as "the battle ground where Logan and his adherents have been finally driven from position to position until there is now little left to defend of what seemed in 1863, a well-supported position." Ells moreover, after his studies of the fossiliferous rocks of the group, concludes, according to Walcott, that the farther use of the name of Quebec group for the uncrystalline strata in question "appears not only undesirable but to a certain extent objectionable," although the terms Levis and Sillery may be retained for the subdivisions.