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ON THE ORIGIN OF SOME ARCHÆAN CONGLOMERATES.*

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The writer, in collaboration with Dr. Frank D. Adams, is at present engaged in a geological examination of an area covering nearly 3500 square miles, including portions of the Counties of Hastings, Haliburton and Renfrew in the Province of Ontario, Canada.

These investigations and studies are believed to have a special importance because of their bearing upon some of the most intricate questions of Archæan geology, among the more important of which may be mentioned the character and relations of the so-called Grenville and Hastings Series, and their possible equivalency with other Archæan groups previously described from more remote districts. In addition, it was believed much information was desirable and could be secured in regard to the origin, relative age and composition of the gneisses and granites usually classified as Laurentian.

The work has been in progress for several seasons, but is now rapidly approaching completion, and it is confidently expected that another season will be sufficient to enable a report of an approximately final character to be written.

Several communications, either separately or conjointly, have already appeared regarding the progress of this work, indicating not only the main conclusions likely to be reached, but also presenting some points of immediate and special scientific interest. It is in pursuance of this policy that the following is

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