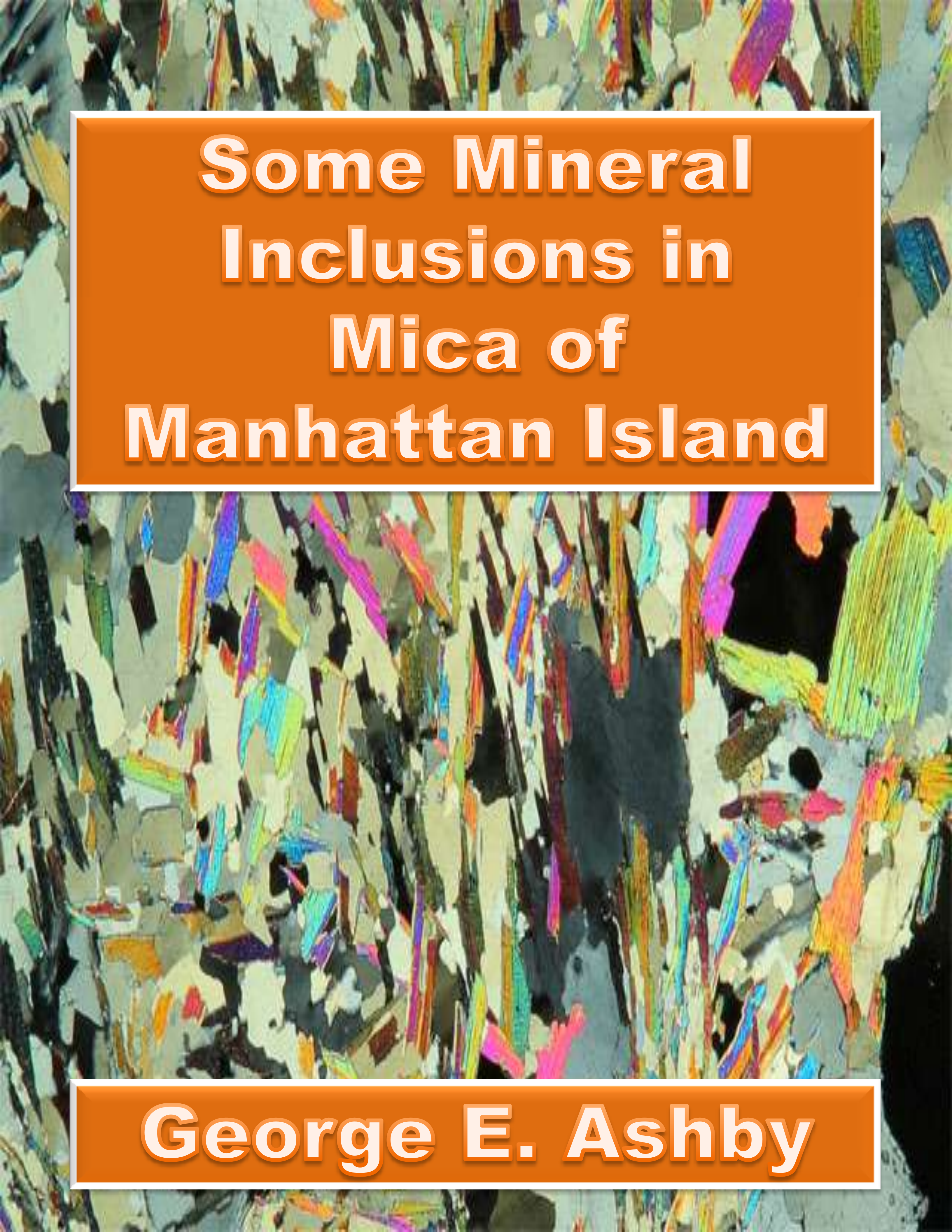

Some Mineral Inclusions in Mica of Manhattan Island

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SOME
MINERAL INCLUSIONS
IN MICA OF
MANHATTAN ISLAND

A MICROSCOPICAL STUDY

BY

GEORGE E. ASHBY

The Minerals occurring as Inclusions in the Muscovite of Manhattan Island fall into three general groups:

A. Primary or Original Minerals, which were formed and deposited simultaneously with the Mica.

B. Secondary Minerals, introduced through heated solutions during periods of strain by external pressure.

C. Minerals which have resulted through the decomposition of either the primary or secondary minerals.

They are enclosed between the lamina of the mica of the metamorphosed Granitic rocks of Manhattan Island and are abnormal in their crystallization, in that they are mainly two-dimentional, their thickness being limited by the available space between the mica lamina.

The minerals to be described were collected chiefly between 1900 and 1925, during excavations for the subways and other building operations.