

STRUCTURE AND STRATIGRAPHY OF THE PRECAMBRIAN ROCKS
IN THE NAMANGA AREA, SOUTH-CENTRAL KENYA.

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This is to certify that the thesis "Structure and Stratigraphy of the Precambrian Rocks in the Namanga Area, South-Central Kenya" has not been submitted for a degree in any other University.



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ABSTRACT

The thesis describes and revises the Precambrian geology of an area in South-Central Kenya. Tectonically and lithologically it is seen that the area may be divided into two domains. The older, characterised by granitoid gneiss, is seen to have been folded during both the Dodoman and Mozambiquian orogenies, and shows regional fold axes of N 90° and N 60°. The younger, characterised by metasedimentary rocks was folded only during Mozambiquian orogeny, and the regional fold axis is N 60°. A minor development of N 150° fold axis is present. This is believed to be essentially synchronous and related to the N 60° fold axis. A broad sequence of sedimentary and tectonic events is deduced for the Mozambique Belt in the Namanga area.

On the basis of the information obtained in the Namanga area, an attempt is made to reinterpret the geology of the Mozambique Belt in Kenya. A broad two-fold division is suggested and the distribution of these rocks shown on a tectono-lithological map of East Africa.