



Magmatism in Extensional Structural Settings

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Book Condition: New. Publisher/Verlag: Springer, Berlin | The Phanerozoic African Plate | Prepared under the aegis of the I.G.C.P. 227 | The African continent is unique in that it has escaped widespread orogenic activity after the Pan African orogenic event. Therefore, the African Plate provides the world's best example of the relationship between extensional magmatism and structural setting. This first complete and up-to-date review, written by leading scientists, discusses the evolutionary model and offers a new and reliable basis for scientists working on plate tectonics and extensional areas in other continents. | I. East African Rift Volcanism.- Distribution of the Main Phanerozoic African Rifts and Associated Magmatism: Introductory Notes.- 1 Introduction.- 2 The Palaeozoic African Rifts.- 3 The Mesozoic African Continental Rifts.- 3.1 Southern Africa.- 3.2 Western Africa.- 3.3 Eastern Africa.- 4 The Cainozoic African Continental Rifts.- 4.1 The East African Rift System (EARS).- 4.2 Northeastern Africa.- 4.3 West Central Africa.- 5 Summary.- Acknowledgements.- 1 The Discovery of the African Rift Geology: A Summary.- 1 Foreward.- 2 Beginnings.- 3 1880 to World War I: Geological Pioneers and Eduard Suess's Synthesis.- 4 Post-World War I: New Reviews and Old Theories.- 5 Old Problems and New Theories.- 6 Post-1939: The New Revolution...



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