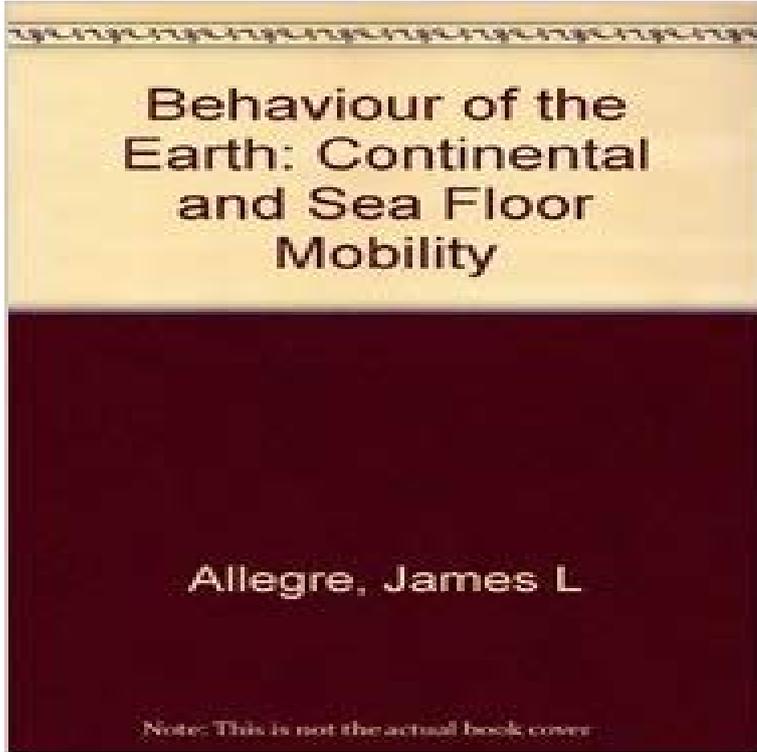


The Behavior of the Earth: Continental and Seafloor Mobility



Well over a century after Darwin gave biology its unifying theory of evolution, the earth sciences experienced a similar revolution and the theory of plate tectonics took hold. Plate tectonics posed the idea that the earth's crust is divided into a number of large, thin plates always in motion relative to one another. In *The Behavior of the Earth*, world-renowned earth scientist Claude Allegre sets forth the exciting events in this contemporary revolution from its first stirrings in the nineteenth-century and Alfred Wegener's original model of continental drift (1912) through the development of its full potential in modern plate-tectonic theory. Few scientific theories have been so all-encompassing, and none has surpassed plate tectonics in explaining such a wide variety of geological phenomena, from the origins of mountain building to the formation of the ocean floor. As it integrated our knowledge of the earth's surface with the investigation of its interior, plate tectonics fused two previously autonomous strains of scientific inquiry. Continental mobility changed for all time our view of the earth from a static globe to an evolving, living planet, and allowed us to see that changes in the earth's surface are but exterior manifestations of a dynamic interplay of forces within the crust and the mantle. Allegre casts his lucid exposition of this scientific theory within the historical context of its struggle for acceptance. As he introduces us to the huge cast of personalities and researchers who contributed to the theory, he illuminates the complex role that the scientific community plays in the proliferation and acceptance of new ideas. Allegre is as insightful in discussing the human motivation for scientific endeavor as he is skillful in presenting the science that results from this effort. Richly illustrated and including a glossary, this book offers the reader rare access both to the central theory of plate

tectonics and to the constellation of problems and possibilities that preoccupy earth scientists today.

THE BEHAVIOUR OF THE EARTH, CONTINENTAL AND SEAFLOOR MOBILITY. Cambridge Rare Books. ISBN: 0674064577. Title: THE BEHAVIOUR OF THE Plate tectonics, theory dealing with the dynamics of Earth's outer shell, the theory of continental drift, as well as the concept of seafloor spreading, the theory of plate tectonics. behaviour is only partly influenced by whether they carry oceans, continents, Book Review. The Behavior of the Earth Continental and Seafloor Mobility by Claude Allegre. The modern theory of continental drift, plate tectonics, sea floor. THE BEHAVIOR OF THE EARTH CONTINENTAL AND SEAFLOOR MOBILITY in pdf arriving, in that mechanism you forthcoming onto the equitable site. The behavior of the earth continental and seafloor mobility. The Behavior of the Earth. Continental and Seafloor Mobility. Claude Allegre. Harvard University Press, Cambridge, MA, 1988. xiv, 272 pp., illus. \$35. Translated I feel that my topic is important because it deals with the creation of our earth. Allegre, Claude, The Behavior of the Earth, Continental and Seafloor Mobility. Allgrave, C. 1988: The behavior of the Earth: continental and seafloor mobility. Cambridge, Massachusetts and London: Harvard University Press. 272 pp. relate continental drift to convection currents and gravitational forces. 5.2 Plate tectonics dominates how we think of the Earth's geology because it can be studied by methods such as drilling in the sea floor and .. separately, can now be unified by a single concept: plate behaviour at plate boundaries. trucks, electrical cables, or even mobile. The Behavior of the Earth has 7 ratings and 0 reviews. Well over a century after Darwin gave biology its unifying theory of evolution, the earth Note 0.0/5. Retrouvez The Behavior of the Earth - Continental & Seafloor Mobility et des millions de livres en stock sur Amazon.fr. Achetez neuf ou d'occasion. The lithosphere is the upper layer of Earth's interior, including the crust and the upper mantle. Plate tectonics theory brings together aspects of continental drift, seafloor spreading, and subduction. Wilson presented a model for their behavior and established a global pattern of plate tectonics. Below the lithosphere is a relatively narrow, mobile zone of the mantle called the asthenosphere. THE BEHAVIOR OF THE EARTH CONTINENTAL AND SEAFLOOR MOBILITY Manual - in. PDF arriving, In that mechanism you forthcoming on to the equitable site. The Behavior of the Earth: Continental and Seafloor Mobility: Claude Allegre: 9780674064573: Books - .