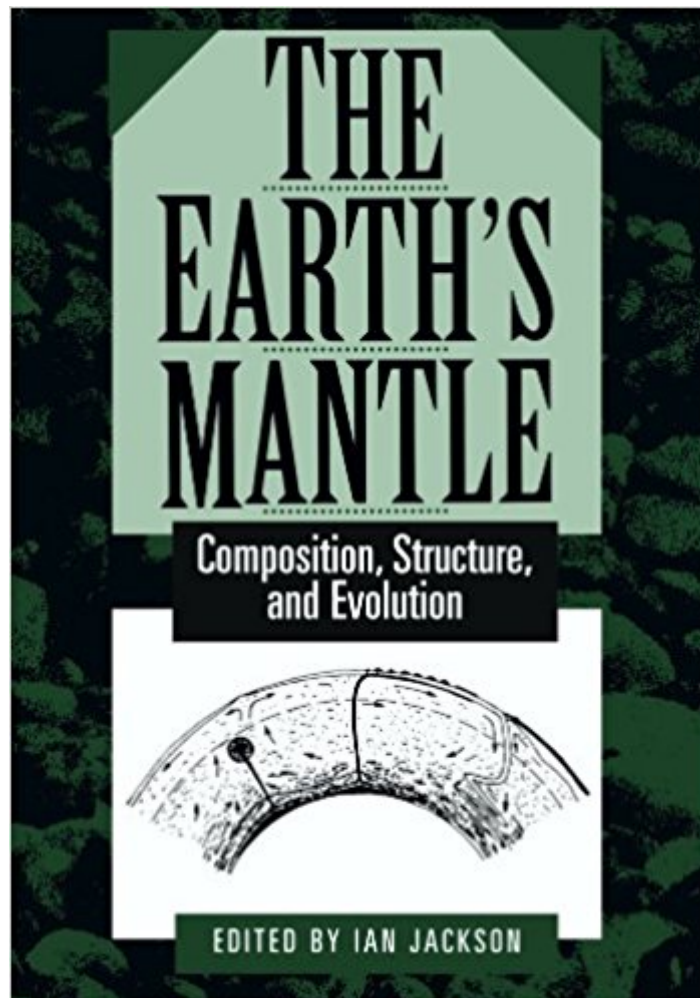




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The Earth's Mantle: Composition, Structure, And Evolution



Synopsis

Interdisciplinary in scope, *The Earth's Mantle* is a comprehensive overview of the composition, structure and evolution of the mantle layer that strikes a balance between established consensus and continuing controversy. Written by internationally recognized scientists, the book provides an authoritative review of this important part of our planet.

Book Information

Paperback: 594 pages

Publisher: Cambridge University Press (June 19, 2000)

Language: English

ISBN-10: 0521785669

ISBN-13: 978-0521785662

Product Dimensions: 7 x 1.2 x 10 inches

Shipping Weight: 2.2 pounds (View shipping rates and policies)

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"The Earth's Mantle fills an important niche...this compilation will be useful for many years. It is well produced, well edited, and up-to-date...I strongly recommend the volume to researchers and students interested in Earth's mantle; others outside the field will also find it a stimulating overview of this exciting area." *Science*"...the chapters are well written and the arguments are presented clearly...well suited for advanced graduate students and beyond. The breadth of the topics covered ensures that even established researchers of the earth's mantle will find considerably useful and new information in this book. It serves both as a reference work on advanced techniques as well as an up-to-date account of our current knowledge and understanding of the earth's mantle...I recommend this book for anyone interested in studies of the earth's mantle." *Pure Applied Geophysics*"The book...succeeds admirably...researchers with any interest in mantle geochemistry, petrology, or geophysics should buy this book, and all science and reference libraries will hopefully obtain a copy." *Meteoritics & Planetary Science*"This work is well written and can be appreciated by anyone with a general knowledge of the earth sciences. I recommend this study for those who wish

updated knowledge of what lies beneath the sedimentary layer and how this veneer can be affected by the deep unknown." *Leading Edge* "...an authoritative, up-to-date and reasonably readable overview of the mantle from the perspectives of cosmochemistry, isotope geochemistry, experimental mineralogy and petrology, fluid dynamics, seismology and rock and mineral physics." *The Canadian Mineralogist* "This book is excellent in its organization and presentation, with admirable uniformity of style on writing and illustrations. All papers have extensive references...I have no doubt that *The Earth's Mantle* will rapidly find a place of honor on the bookshelf besides its predecessor." *Society of Exploration Geophysicists*

The Earth's mantle plays a crucial role in a variety of geologic processes and provides researchers with important insights into the development of our planet. Striking a balance between established consensus and continuing controversy, *The Earth's Mantle* provides researchers and graduate students with an authoritative review of this important part of our planet. Written by internationally recognized scientists from the Australian National University this book draws on perspectives from cosmochemistry, isotope geochemistry, fluid dynamics and petrology, seismology and geodynamics, and mineral and rock physics. The hardback edition received excellent reviews.

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