

From reviews of the previous edition, *Theory of the Earth*:

"... *Theory of the Earth* is one of the most important books of the decade ... Anderson is one of a very small group of scientists who have managed to achieve success in both fields [geophysics and geochemistry], providing a dual experience that makes his book an invaluable survey. *Theory of the Earth*, then, is in part an extensive summary of our current state of knowledge of the Earth's interior, ... drawing on a wide variety of scientific disciplines including not only geophysics and geochemistry but solid-state physics, astronomy, crystallography and thermodynamics. ... Both as survey and synthesis, Anderson's text, the first in its field, will be of great benefit to students around the world."

Peter J. Smith, *Department of Earth Sciences, Open University*

"Anderson can be congratulated for producing a document that will be a standard taking-off point for many a future graduate seminar."

William S. Fyfe, *Department of Earth Sciences, University of Western Ontario*

"... much to the envy of the rest of us, there are a few people within the Earth-science community who are, well fairly superhuman. Don Anderson is one of them – as close to being the complete geophysicist/geochemist as anyone is ever likely to be. *Theory of the Earth*, then, is an extensive summary of practically everything 'known' about the physics, chemistry and physicochemical evolution of the Earth's interior. ... Anderson has produced a remarkable synthesis of our present understanding of the Earth's interior."

Nature

"The appearance of this book is a major event in geoscience literature. It is a comprehensive statement on the Physics and Chemistry of the Earth by one of the great authorities of our time. It will occupy a prominent place on our bookshelves for the rest of our professional lives. When we get into an argument with colleagues or face a fundamental problem that we are unsure about we will reach for it: 'Let's see what Anderson says about that'. ... a very valuable book."

Frank Stacey, author of *Physics of the Earth*

"... as in all good scientific books, there is strong concentration on themes with which Anderson has been closely identified over a number of years. ... The scope of the book is most impressive: it will be a constantly useful as a source of information that is otherwise extremely time-consuming to track down."

Joe Cann, *Times Higher Education Supplement*

Pre-publication praise of *New Theory of the Earth*

"Anderson's masterful synthesis in *New Theory of the Earth* builds upon his classic 1989 text, weaving an extraordinary breadth of new perspectives and insights into a cogent, provocative and nuanced vision of our planet's history and inner workings. This is a must-read for all scientists seeking to understand the Earth."

Thorne Lay, *Professor of Earth and Planetary Sciences, University of California, Santa Cruz*

"*New Theory of the Earth* can be highly recommended for the book shelf of any serious student of geodynamics. The book contains a wealth of data on a wide variety of subjects in petrology, geochemistry, and geophysics. It is well written and reads smoothly. ... Many challenging and stimulating views are presented."

Donald L. Turcotte, *Distinguished Professor, Department of Geology, University of California at Davis*

"Don Anderson is the only Earth scientist with the breadth of knowledge and insight necessary to write this book – a fascinating combination of basic data, explanation of concepts, speculation, and philosophy. Now, almost half a century after the realization of plate tectonics, there are rumblings of dissatisfaction over long-held concepts of plumes and mantle convection that are thought to drive plate tectonics, and Don Anderson is leading the charge. This makes *New Theory of the Earth* an especially provocative and exciting reference for all of us scrambling to understand how the Earth works."

Dean C. Presnall, *Department of Geosciences, University of Texas at Dallas and Geophysical Laboratory, Carnegie Institute of Washington*

"This remarkable book by a master geophysicist should be studied by everyone, from junior graduate student to senior researcher, interested in geodynamics, tectonics, petrology, and geochemistry. Here are all the factors omitted from widely accepted models, to their detriment: truly multidisciplinary physics, geophysics, mineral physics, phase petrology, statistics, and much, much more."

Warren B. Hamilton, *Distinguished Senior Scientist, Department of Geophysics, Colorado School Mines*

"An old adage says that there are no true students of the earth because we dig our small holes and sit in them. This book is a striking counter example that synthesizes a broad range of topics dealing with the planet's structure, evolution, and dynamics. Even readers who disagree with some of the arguments will find them insightful and stimulating."

Seth Stein, *William Deering Professor of Geological Sciences, Northwestern University*