

REVIEWS

A TEXT BOOK OF GEOLOGY. By S. Ray, Orient Longman Ltd., 1976. 471 pages, 217 text figures. Price Rs. 27.25.

Many of Professor Ray's students have told me what an excellent teacher he was. I have read practically all the research papers he has published with great interest and profit. He was a good friend of mine for several decades, and I am, therefore, grieved that he is no more with us. The contribution he has made to Earth Sciences is witnessed by the number of his old students who are occupying responsible positions all over India.

The book under review bears testimony to the great care he has taken in its preparation, and the meticulous attention he has paid to every detail. The book contains 217 drawings and cartographic representations to illustrate the various aspects of geology, and every one of them has been sketched and lettered by the author himself.

In the preface, the author has stated that he wrote this book to fulfil the need in India for a fairly reasonably sized publication which would cover practically all aspects of Geology required by a student, and in a great measure he has succeeded in this.

The book covers a wide sweep of geological knowledge and hence it is inevitable that there are variations in the depth of discussion and in the amount of data. These are necessarily the choice of the author, and in my opinion, they are judiciously balanced. Certain branches like Mineralogy, Crystallography, and Structural Geology, have been treated both under introductory and at advanced levels. This would benefit both the beginner and the more advanced post-graduate student. A commendable feature is that the examples have been drawn almost exclusively from Indian Geology.

This text book is a compendium of geological information which should be useful not only to students of geology, but to those who are interested in geography, geophysics, and engineering geology; also, to the general reader who is interested in **understanding the earth.**

C. S. PICHAMUTHU.

EXPLORATION TECHNIQUES FOR GROUNDWATER (1977). Published by Committee on Science and Technology in Developing countries (ICSO/COSTED) Price: Rs. 35 (India) - 7 dollars (abroad).

The Committee on Science and Technology in Developing Countries (COSTED) organized a course on 'Exploration Techniques for Groundwater' for the benefit of young practicing geophysicists from different developing countries. The present volume has put together the papers presented at the course.

It is good to see more and more importance being given to the study of groundwater, especially in a hard rock area like Peninsular India which has been erroneously considered as unsuited for large scale groundwater development. Photogeological interpretation and surface geophysical prospecting should greatly assist in identifying favourable areas for groundwater development. The papers brought together in this volume should prove to be of interest to all those engaged in the development of groundwater resources.

Copies are available from the Secretary, COSTED, Indian Institute of Science, Bangalore 560012.

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