

be placed in the hands of every youth the moment he has mastered the general rudiments of education."

14. *Physical Geography*.—By MARY SOMERVILLE. With Notes and a Glossary by W. S. W. RUSCHENBERGER, M.D. 8vo., cloth, pp. 570. (American Edition.) Price \$1.10.

This work does not describe what is usually understood by the term *Geography*; it treats of Geography in connexion with the other branches of Physical Science, and in connexion with the history of living beings. It shows with what charms, and value, and dignity the study and teaching of that important branch of education may be invested. *Blackwood's Magazine* remarks—"We are anxious to recommend to our youth the enlarged method of studying geography which Mrs. Somerville's present work demonstrates to be as captivating as it is instructive. Nowhere, except in her own previous work, *The Connexion of the Physical Sciences*, is there to be found such a store of well-selected information so lucidly set forth. In surveying and grouping together whatever has been seen in the eyes of others, or detected by their laborious investigations, she is not surpassed by any one. With great perspicuity, she seizes at once whatever is most interesting and most captivating in her subject. We hold such presents as Mrs. Somerville has bestowed on the public, to be of incalculable value."

15. *The Earth and Man*.—Lectures on Comparative Physical Geography, in its relation to the History of Mankind. By ARNOLD GUYOT. Translated from the French by C. C. FALTON. 8vo., cloth, pp. 334. (American Edition.) Price \$1.10.

The title of this book expresses its object, but its value can only be appreciated by perusal of the book itself. The *North American Review* observes—"Those who have been accustomed to regard Geography as a merely descriptive branch of learning, dryer than the remainder biscuit after a voyage, will be delighted to find this hitherto unattractive pursuit converted into a science, the principles of which are definite, and the results conclusive; a science that embraces the investigation of natural laws, and interprets their mode of operation; which professes to discover in the rudest forms and apparently confused arrangement of the materials composing the planet's crust, a new manifestation of the wisdom which has filled the earth with its riches." *Silliman's Journal of American Science* remarks—"The work is one of high merit, exhibiting a wide range of knowledge, great research, and a philosophical spirit of investigation. Its perusal will repay the most learned in such subjects, and give new views to all of man's relation to the globe he inhabits."

16. *The Poetry of Science*.—Or Studies of the Physical Phenomena of Nature. By ROBERT HUNT. 8vo., cloth, pp. 388. (American Edition.) Price \$1.10.

The object of this work is "to link together those scientific facts which bear directly and visibly upon Natural Phenomena, and to show that they have a value superior to their more economic applications, in their power of exalting the mind to the contemplation of the universe." It is a work of great merit, and pre-eminently adapted to lift the mind from the admiration of the wonderful works of creation to the adoration and worship of the great Creator. The *London Morning Herald* speaks of it as "one of the most readable epitomes of the present state and progress of science we have yet perused."

17. *Cosmos*.—A Sketch of a Physical Description of the Universe. By ALEXANDER VON HUMBOLDT. Translated from the German. By E. OTT. In three volumes. 8vo., cloth, pp. 375+367+219=961. (American Edition.) Price \$2.00.

That great scholar and philosopher, Chevalier Bunsen, Prussian Minister at the English Court, has termed the *Cosmos*, "The great work of our age." The object of the learned author of this work was, "to embrace a summary of physical knowledge, as connected with a delineation of the material universe." The author remarks, in his preface, "In the late evening of an active life, I offer to the German public a work, whose undefined image has floated before my mind for almost half a century." The *first* volume comprises a sketch of all that is at present known of the physical phenomena of the universe. The *second* volume consists of two parts, the first of which treats of the incitements to the study of nature, afforded in descriptive poetry, landscape painting, and the cultivation of exotic plants; while the second and larger part enters into the consideration of the different epochs in the progress of discovery and of the corresponding stages of advance in human civilization. The *third* volume presents general and special results—"the special and scientific development of the great Picture

of Nature." The *London Spectator* observes—"Here is a work which unites the grandeur and extent of early speculations with the fullness and precision of modern science, written in the evening of a long life, it has the mellowed light of the setting sun."

N.B. In all cases where the parties concerned wish to provide their library with copies of any of the authorised text books used in the schools, or any of the maps, and comprehensive and valuable atlases, mentioned in the Descriptive Catalogue of Books, Charts, Maps, Atlases, Apparatus, &c. of the Depository at the Education Office, Toronto, they can procure them upon the terms stated in that catalogue, and to which they are referred for an account of all such publications.

GEOLOGY AND MINERALOGY.

1. (1.) *Principles of Geology, &c.*

(2.) *A Manual of Elementary Geology*.—Or the ancient changes of the earth and its inhabitants, as illustrated by geological monuments. With Engravings. By SIR CHARLES LYELL, Knt. A.M. 8vo., cloth, pp. 512. (English Edition.) Price \$2.50.

Sir Charles Lyell stands, confessedly, at the head of the Geologists of the present age, and his writings occupy the first place among works on geology. He has himself thus described the peculiar scope and objects of the two works mentioned at the head of this notice: "The 'Principles' contain a view of the *modern* changes of the earth and its inhabitants; while the 'Manual' relates to the monuments of *ancient* changes. In separating the one from the other, I have endeavoured to render each complete in itself, and independent; but if asked by a student which he should read first, I would recommend him to begin with the 'Principles,' as he may then proceed from the known to the unknown, and be provided beforehand with a key for interpreting the ancient phenomena whether of the organic or inorganic world, by reference to changes now in progress."

2. *Elements of Geology*.—By DAVID PAGE. 12mo, pp. 332. (Chambers' Educational Course.) (English Edition.) Price 45 cts.

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3. *The Elements of Geology*.—For popular use; containing a description of the geological formations and mineral resources of the United States. By CHARLES A. LEE, M.D. 12mo, half sheep, pp. 375. (American Edition.) Price 40 cts.

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A scientific, profusely illustrated, and admirable treatise; all the technical terms are accentuated, and a copious glossary of definitions of them is appended.

5. *The Geological Observer*.—By SIR HENRY T. de la BECHE, Knt. C.B. Royal 8vo, cloth, pp. 695. (American Edition.) Price \$3.60.

The author of this work is an English gentleman of rank and fortune, who has devoted his life to geological studies. This work, occupying nearly 700 pages, is an American reprint from the English edition, and contains the result of extensive research and observation. The author states, that "the work was undertaken in the hope that the experience of many years might assist, and, perhaps, abridge the labours of those who may be desirous of entering upon the study of Geology, and especially in the field. Its object is, to afford a general view of the chief points of that science, such as existing observations would lead us to infer were established; and to show how the correctness of such observations may be tested; and to sketch the directions in which they may apparently be extended."

6. *The Ancient World*.—Or Picturesque Sketches of Creation. By D. T. ANSTED, M.A. 8vo, cloth, pp. 382. (American Edition.) Price 60 cts.

This work may be regarded as an Essay on the Geology of the Creation. It exhibits considerable acuteness and learning, and contains many things curious and interesting to the geological reader. The author's object is, "to communicate definite ideas of the Ancient History of the Earth and its Inhabitants," as the results of geological investigation.