

MODERN SCIENCE
IN
BIBLE LANDS.

BY

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WITH MAPS AND ILLUSTRATIONS.

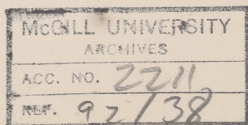
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MDCCCXCII.



PREFACE TO THE SECOND
EDITION.

To
MY DEAR WIFE,
THE COMPANION OF MY JOURNEYING,
AND MY WISE ADVISER AND FAITHFUL HELPER IN EVERY
GOOD WORK, THIS VOLUME IS
AFFECTIONATELY
Dedicated.

PREFACE TO THE SECOND
EDITION.

THE motive of this work is the desire of the author to share with others the pleasure and profit of a tour in Italy, Egypt, and Syria, in which it was his special aim to study such points in the geology and physical features of those countries as might throw light on their ancient history, and especially on the history of the sacred Scriptures.

As a geological observer of somewhat wide and varied experience, he hopes that it may be possible for him to elucidate some difficult geological and historical questions, and to present to the reader, whether geological or non-geological, intelligible and it may be novel ideas as to the structure and history of the countries referred to.

It was originally intended that the materials collected should assume the form of notes of travel; but unforeseen delays have made this less desirable, and the several subjects discussed have therefore been arranged under the districts examined, beginning with Italy and ending with Palestine, while under each head subjects relating to geology and to prehistoric and historic human periods have been grouped together as

seemed most likely to render them interesting and intelligible, without any personal narrative, except where notes of this kind appeared to be incidentally valuable. It may however be proper to add, that the collections and observations referred to in Egypt and Palestine were made in the winter of 1883-84. The substance of those on Egypt was first published in 1884, in the *Leisure Hour* and in the *London Geological Magazine*, and more fully in the first edition of this work in 1888.

The point of view of the author is that of a geological observer, and his conclusions on matters of that kind may be received as those of an expert. Other departments, whether of science, history, or biblical interpretation and criticism, must occupy a subordinate position, as not being specialities of the writer, and as consequently demanding in many cases dependence on the labours of others, verified however by his own reading and study of monuments and objects of art.

It has been a source of much gratification to the author that, in the interval between 1888 and 1891, some of his anticipations have been verified, and many new evidences of his conclusions have been unearthed by explorers. These new facts are introduced in their proper places in the present edition.

The geological appendix to the first edition has been omitted in the present, to make room for other matter, but may be issued in a separate form. I have also omitted, in order to make room for new matter, some of the more general discussions in the introductory chapter; but the substance of these

will be found in my work the "Origin of the World," and in an article in the *Contemporary Review* for June, 1889. ^

The author has to acknowledge much kindness and valuable information received from many friends. He would especially mention with gratitude in this connection, Sir Evelyn Baring, Col. Ardagh, Sir Colin Scott Moncreiff, Dr. Schweinfurth, Emil Brugsch Bey, Mr. A. H. Hooker, of Cairo, Rev. Dr. Merrill, of Jerusalem, Rev. Dr. Bliss, Dr. Post and other Professors of the American College, Beyrout.

The Geological Map is to be understood as giving the broadest possible outline of the structure of the regions to which it relates. It has been kept free from unnecessary detail in order to make the general arrangement of the formations as clear as possible, and to show the geological relations of Palestine and Egypt to each other. It will be found especially useful in illustration of Chapters V. to VIII. inclusive.

J. W. D.

MCGILL UNIVERSITY,
1891.

While additional references on
Primitive Man from an American
can point of view will
be found in my work a "Final
Lesson!"

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Red with a dull
Chalcedon, Cuedon
Jerusalem in Feldman
Tenth chapter of Genesis
Note as to humulatus
of the book to
Walfeatures

PHYSICAL AND BIBLICAL HISTORY OF THE EARTH.

<i>Physical and Geological Periods.</i>	<i>Animal Life.</i>	<i>Vegetable Life.</i>	<i>Biblical History.</i>
Nebulous State Incandescent State Primitive Crust Universal Ocean			FIRST CREATIVE DAY. Formless and Void. SECOND CREATIVE DAY. Division of the Waters.
Earliest Land (Lower Laurentian) Laurentian Huronian	Protozoa	Protogens (in Graphite beds)	THIRD CREATIVE DAY. Land and Vegetation. FOURTH CREATIVE DAY. Continental Changes & Metamorphism
Cambrian Ordovician Silurian Erian Carboniferous Permian	Invertebrates Fishes Amphibians	Algæ and Protogens Acrogens and Gymnosperms	FIFTH CREATIVE DAY. Invertebrates and Fishes.
Triassic Jurassic Cretaceous	Reptiles and Birds	Cycads and Pines Palms and Angiosperms	Reptiles and Birds.
Eocene Miocene Pliocene Pleistocene Palanthropic Neanthropic	Mammals Man and Recent Animals	Angiosperms Existing Vegetation	SIXTH CREATIVE DAY. Mammals. Antediluvian Man,—SEVENTH DAY. Post-diluvian Man.

MODERN SCIENCE IN BIBLE LANDS.

Hoskins & Co

Mar 1892

Calendar

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TELEGRAPHIC ADDRESS,
EXPOSITOR LONDON.

27, Paternoster Row,

London, 8 March 1892

E.C.

My dear Sir Wm Dawson

I enclose Mr. J. Adam Smith's
acknowledgment of your volume
and now send by book post proof
of title, preface &c. We have been
able to put into circulation the
bulk of the former edition at a low
price, but to give a little time to
those who have purchased them to
get rid of their stock we need to
delay the publication of the popular
edition so you may be glad to retain
the preface for a month or so in case
any new discovery may need to be
dealt with

Believe me
Yours very truly
M. A. Hodder

Sir J. Wm Dawson L.D. F.R.S. &c