SCIENCE

Vol. 77	Friday, June 2, 193	No. 2005
Academic and Industrial Research in Therapeutics: Sir Henry H. Dale Obituary: Fred E. Brooks: Dr. C. R. Cutright. Recent Deaths Scientific Events: The Scientific Situation in Germany; the late Stephen Tyng Mather; Field of the New York State Geological Group Conferences at the Cold Spring logical Laboratory; Professor Harris ian Lecturer Scientific Notes and News Discussion:	Memorials. Memorials. 527 GRAHAI WILLIA In Honor of Special A Il Conference Association; Harbor Bio- on as Croon- 528 BARENT 531 Academ Special A Treb Lamina Cerebra BARENT THOMA	: Dr. E. C. L. MILLER. The Tennessee by of Science: Dr. Francis G. Slack
Conservation versus Preservation: Dr. Ford. Notes on a Sphagnum Bog at California: Dr. George B. Rigg. S and Sedimentology: Dr. Hakon W chanicism, Vitalism and the Growth Professor James M. Sherman and George M. Cameron Reports: Honors Conferred by the Franklin In Societies and Meetings: The Ohio Academy of Science: W. H. The Illinois State Academy of Science Harold R. Wanless. The Virginia	Fort Bragg, edimentation ADELL. Me- of Bacteria: 1 PROFESSOR	CE: A Weekly Journal devoted to the Advance- science, edited by J. McKeen Cattell and pub- ry Friday by THE SCIENCE PRESS ew York City: Grand Central Terminal Garrison, N. Y. ubscription, \$6.00 Single Copies, 15 Cts. E is the official organ of the American Associa- he Advancement of Science. Information regard- ership in the Association may be secured from of the permanent secretary, in the Smithsonian a Building, Washington, D. C.

ACADEMIC AND INDUSTRIAL RESEARCH IN THE FIELD OF THERAPEUTICS'

By Sir HENRY H. DALE

DIRECTOR OF THE NATIONAL INSTITUTE FOR MEDICAL RESEARCH, LONDON, AND SECRETARY OF THE ROYAL SOCIETY OF LONDON

WE have to-day the privilege of assisting at the formal inauguration of these Research Laboratories. which the enterprise of a manufacturing house has brought into being. I know that I can speak for all those who are present, in saying to the directors whose enlightened policy has provided these laboratories, and to the distinguished investigators who will use them, that we wish them all the success which they desire and deserve. And in wishing them success, I have in mind not merely such as will directly increase the efficiency and extend the scope of the industrial enterprise with which these laboratories are associated, though that we may wish them without reserve; but we may also wish them a wider and more enduring success, in adding to the sum of lifesaving knowledge, for the benefit of all mankind.

¹ An address delivered at the opening ceremony of the Research Laboratories of Merck and Company, Inc., Rahway, New Jersey, April 25.

The word "research" in relation to industry has been made to do duty over a wide range of meanings. You would probably find some manufacturers who apply the term to the mere experimental control of the details of an unprogressive technical routine, or of the quality of the materials used in it. At the other end of the scale, this great country, in particular, can show conspicuous examples of the farseeing policy of great industrial enterprises, in providing opportunity for men of world-wide fame in science to follow freely the lead of their own original genius, without any immediate reference to the production of remunerative inventions. Results of the greatest theoretical importance to science have thus been obtained, which any university might be proud to claim as the product of its laboratories of pure research; but in some cases, at least, they have been obtained under conditions which only the technical resources of great industry could provide. I do not

Ready June 9th

Schuchert & Dunbar's HISTORICAL GEOLOGY

Which is Part II of TEXTBOOK of GEOLOGY

BY CHARLES SCHUCHERT

Professor Emeritus of Paleontology

and CARL O. DUNBAR

Professor of Paleontology and Stratigraphy Both at Yale University

CONTENTS

- 1. Historical Geology
- 2. Fossils; A Living Record of the Dead
- 3. Evolution, The Constant Change of Living Things
- 4. The Origin of the Earth
- 5. The Table of Geologic Time
- 6. The Length of Geologic Time
- 7. Earliest Geologic Eras; The Cryptozoic Eon
- 8. The Cambrian Period
- 9. The Ordovician Period
- 10. The Silurian Period
- 11. The Devonian Period
- 12. The Mississippian Period
- 13. The Pennsylvanian Period
- 14. The Permian Period; Close of an Era
- 15. The Triassic Period; Beginning of the Mesozoic Era
- 16. The Jurassic Period
- 17. Cretaceous Time; The Last of the Mesozoic Era
- 18. Cenozoic Era
- 19. Cenozoic Era (cont.)
- 20. Cenozoic Era (cont.)
- 21. Geologic History of Man Epilogue

Appendix

551 pages 6×9

\$4.00

Third Edition Largely Rewritten

The first two editions of this text were received with unanimous approval and have been adopted in many leading colleges and universities throughout the country. However, as the desire for a Geology text somewhat less advanced and less technical in its point of view has often been expressed, this third edition has been rewritten expressly for the beginning student, with this viewpoint kept in mind.

Because of the diversity of the subject matter of Historical Geology, which involves Animal and Plant Biology and Astronomy as well as Geology, the authors have sought to emphasize a few great principles and general conceptions. Thus the beginning student learns to understand the principles concerned in geologic thinking, instead of trying to memorize a mass of unfamiliar facts, however interesting the latter may be in themselves.

The chapters on Biology, which in previous editions were scattered throughout the book, have now been brought together and placed in an Appendix.

Briefly, here are the important features of the new edition.

- The viewpoint is dynamic. This book presents the history of the Earth as a living drama.
- 2. The treatment is unified—non-essentials are suppressed and the subject matter is woven about the central historical theme.
- This text explains and emphasizes principles of interpretation, avoiding encyclopedic cataloguing of facts.
- The book appeals to the student's imagination and understanding rather than to his memory.
- It is copiously illustrated with new plates and figures: All the plates of fossils and all the paleogeographic maps are new.
- 6. It is thoroughly up-to-date and authoritative.

JOHN WILEY & SONS, Inc. 440 Fourth Avenue, New York